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ONTARIO  
RECREATION  
SURVEY

Tourism  
and  
Outdoor  
Recreation  
Planning  
Study

TOURISM AND RECREATIONAL BEHAVIOUR  
OF ONTARIO RESIDENTS - VOLUME 2:  
DEMOGRAPHICS



TOURISM AND OUTDOOR RECREATION PLANNING STUDY COMMITTEE  
QUEEN'S PARK, TORONTO

OCTOBER 1977

Ontario Miscellaneous publications





Provincial  
Secretary for  
Resources  
Development

Parliament Buildings  
Queen's Park  
Toronto Ontario

April 1, 1977

As Provincial Secretary of the Cabinet Committee to which the interministerial Tourism and Outdoor Recreation Planning Study Committee reports, it is my pleasure to make available the series of final reports derived from the Ontario Recreation Survey.

The Ontario Recreation Survey has been a project of the interministerial Tourism and Outdoor Recreation Planning Study (TORPS) Committee, a committee made up of representatives from the ministries of the Ontario Government which play a major role in the provision of recreation and tourism opportunities in Ontario.

Several years ago, in recognition of the need for a comprehensive data base on the recreation and tourism behaviour of Ontario residents, the TORPS Committee initiated the process which resulted in the designing, conducting, analysing, and reporting of results from the Ontario Recreation Survey.

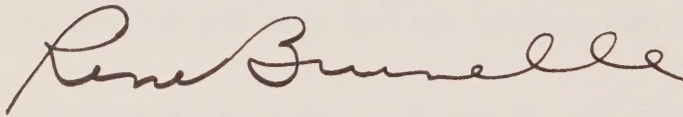
The reports included in this series are based on a data bank containing the results of over 10,000 scientifically conducted personal interviews of a carefully selected group of Ontario residents during the period May 1, 1973 to April 30, 1974.

The primary purpose of the Survey was to provide comprehensive, valid information on recreation and tourism participation patterns and preferences and to gain a better insight into various aspects of recreation behaviour of Ontario residents.

The need for such information was earlier identified by the TORPS Committee as being essential if comprehensive recreation and tourism planning was to occur at any or all of the provincial, regional, or local levels.

It is my sincere hope that recreation and tourism planners and managers at all levels of government and also the private sector, as well as academics, will find these published results of value to them. I strongly urge that they will make full use of the reports and the data upon which they were based. When this is done, I anticipate with confidence that recreation and tourism planning, management, and research in the province will be carried out at a quality and level of understanding unequalled in Canada.

Sincerely,

A handwritten signature in dark ink, reading "Rene Brunelle". The signature is fluid and cursive, with the first name "Rene" and last name "Brunelle" clearly distinguishable.

Rene Brunelle  
Minister





T.O.R.P.S.

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\* Dr. P. Klopchic, Mr. T. Spearin, Mr. S. Solway and Mr. L. Siu, no longer associated with T.O.R.P.S., also made major contributions to the initiation and development of the Ontario Recreation Survey.

TOURISM AND RECREATIONAL BEHAVIOUR OF ONTARIO RESIDENTS - VOLUME 2: DEMOGRAPHICS was prepared by Don Ross, Patrick Buckley and Robert Coughlin.



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## INTRODUCTION

### 1. GENERAL

This is the second in a series of reports describing results from the Ontario Recreation Survey (ORS). The main objectives of the actual survey are to obtain estimates of the incidence, frequency, and location of participation, and to provide estimates related to the travel mode, accommodation type, and destinations of the weekend and vacation trips of Ontario residents. Considerable information about the use of free time, preferences and constraints, and demographics, is also available to provide a complete context for the interpretation of activity and trip data.

The four primary purposes for which the data were collected are:

- (a) to aid government ministries in developing plans and policies for efficiently providing recreational opportunities that will maximize user satisfaction;
- (b) to provide the integrated data base required for the detailed analysis necessary to gain a better understanding of the complexities of tourism and recreational behaviour;
- (c) to provide a basis for the comparison and validation of results from existing surveys;
- (d) to provide data necessary for the development of models of tourism and recreational behaviour that can be used to evaluate alternative strategies for providing recreational opportunities.

The ORS is perhaps the most comprehensive tourism and recreation survey yet carried out in North America. In total, 10,230 residents each completed a twenty-four page questionnaire which dealt with

73 recreational activities. Over 97 per cent of Ontario residents twelve years of age and older were eligible to be interviewed in any of the twelve months from May 1973 to April 1974.

The Ontario residents who were interviewed were selected in a multi-stage, probability sampling design. As the first stage of stratification, the Province was divided into seven geographical areas. The second stage of stratification was based on degree of urbanization. At this stage, the five strata which included municipalities with populations both greater and less than 50,000 were further divided into large and non-large urban substrata. As a result, the sample included twelve strata.

Questionnaires were administered by thoroughly trained interviewers under the supervision of Market Facts of Canada Ltd. Very strict sampling procedures were followed throughout the survey. Interviewers were not allowed to substitute either households or respondents within households. Only one respondent per household was eligible to be interviewed and up to five separate attempts to contact the selected person were required. Such a procedure is costly, but it ensures the inclusion of highly active individuals who are, typically, the most difficult to contact.

The ORS was designed to take place over twelve consecutive months to provide an unbiased perspective of resident tourism and recreational behaviour - much of which is seasonal in nature. Detailed questions about participation in activities and descriptions of weekend and vacation trips were restricted to the three months prior to the day of the interview. Details about free-time use were asked only for the day before the interview.

Data from the survey have been carefully edited. The procedures included two independent manual edits and one computerized edit. Interviews have been weighted to increase the accuracy of estimates. The weights adjust estimates for differences in the sampling rate among strata and household sizes, response rates among strata and months, and differences between the age and sex distributions of the sample and the Ontario population.

The serious user of data from the Ontario Recreation Survey will want a more complete description of the survey than the brief and highly generalized one that has been described above. Detailed background information is available from two documents. The Survey Specifications, Interviewer's Instruction Manual, List of Working Definitions and the Questionnaire are found in: ONTARIO RECREATION SURVEY - SURVEY DOCUMENTS, 1973, Tourism and Outdoor Recreation Planning Study, Queen's Park, Toronto. Specific uses for which the data were collected - the ORS Pilot Survey; Sample Design and Estimation Procedures; Design, Content and Structure of ORS Questionnaire; and Verification and Editing of the ORS Data - are all described in: TOURISM AND RECREATIONAL BEHAVIOUR OF ONTARIO RESIDENTS - VOLUME 8: USER'S GUIDE TO ANALYSIS, Tourism and Outdoor Recreation Planning Study, 1977, Queen's Park, Toronto.

For a more complete description of other characteristics of the tourism and recreational behaviour of Ontario residents other than demographic dimensions, the reader should refer to the companion reports in this series. These include:

- (a) Tourism and Recreational Behaviour of Ontario Residents - Volume 1: GEOGRAPHIC DIMENSIONS
- (b) Tourism and Recreational Behaviour of Ontario Residents - Volume 3: TRAVEL AND TOURISM

- (c) Tourism and Recreational Behaviour of Ontario Residents -  
Volume 4: FREE TIME
- (d) Tourism and Recreational Behaviour of Ontario Residents -  
Volume 5: PREFERENCE AND CONSTRAINTS
- (e) Tourism and Recreational Behaviour of Ontario Residents -  
Volume 6: SPECIAL GROUPS
- (f) Tourism and Recreational Behaviour of Ontario Residents -  
Volume 7: PROFILES OF PARTICIPANTS

## 2. DEMOGRAPHICS

The demographic dimensions of the tourism and recreational behaviour of Ontario residents are described in this report. Estimates and analysis of a number of statistics are given for some socio-demographic characteristics. The characteristics examined are:

- (a) Age. Five categories: 12 to 19 years; 20 to 34 years; 35 to 49 years; 50 to 64 years; 65 years and older.
- (b) Sex. Two categories: male; female.
- (c) Education of the resident. Five categories: less than grade 9; grade 9 to 11 and no other (education); grade 9 to 13 (includes grades 9 to 11 with some other non-university education and grades 12 to 13 with no other education); grade 12 to 13 and some other (non-university education); university (includes some university education and a Bachelor's or a post-graduate degree).
- (d) Education of the head of household. Five categories: less than grade 9; grade 9 to 11 and no other (education); grade 9 to 13 (includes grades 9 to 11 with some other non-university education and grades 12 to 13 with no other education); grade 12 to 13 and some other (non-university education); university (includes some university education and a Bachelor's or a post-graduate degree).
- (e) Occupation of the head of household. Nine categories: managerial, administrative and related; technological, social and cultural; clerical and related; sales; service; farming, horticultural and animal husbandry; other primary; processing; machinery, product fabricating and construction trades.
- (f) Gross household income. Eight categories: less than \$3,000; \$3,000 to \$5,999; \$6,000 to \$9,999; \$10,000 to \$11,999; \$12,000 to \$14,999; \$15,000 to \$19,999; \$20,000 to \$24,999; \$25,000 and over.

- (g) Size of community of residence. Seven categories: less than 5,000; 5,000 to 9,999; 10,000 to 24,999; 25,000 to 49,999; 50,000 to 99,999; 100,000 to 499,999; 500,000 and over.
- (h) Northern and Southern Ontario. Northern Ontario is north of the French and Mattawa Rivers plus Manitoulin Island.

Each of these characteristics except (h) are analysed in detail for a selection of 15 activities; the analyses are intended as examples of those which can be done using all activities. In Appendix A, tables are presented for the remaining activities. The 15 activities analysed in the text are noted in Table ES-1 (page 9), and were selected on the following criteria:

- (a) activities done during different seasons of the year;
- (b) activities with a range of participation rates (from high to low);
- (c) activities with different facility or resource requirements such as water-oriented, land extensive, land intensive, recreational travel, cultural, outdoor and indoor sports.

A different statistic is featured in each chapter of the report.

In particular, these are:

- (a) Incidence of participation or participation rate (Chapter I). This is the percentage of the population 12 years and older participating in a given activity at least once per year. Above-average participation rates are underlined in many tables. Only 15 activities are analysed.
- (b) The frequency of participation or average number of occasions in the past year (Chapter II). Both per capita and per participant averages are given along with estimates of total occasions. The highest numbers are underlined to aid in understanding participation patterns. Only 15 activities are analysed.
- (c) The socio-demographic profiles of the average participant in given activities (Chapter III). All activities are analysed.
- (d) Intensity of participation (Chapter IV). This is an aggregate statistic combining the total occasions with the total number of activities in which Ontario residents participate. The highest numbers are underlined to aid interpretation. This analysis groups all activities together.
- (e) Month-to-month variation in participation (Chapter V). This shows the most popular months for doing an activity. Only 15 activities are analysed.

Estimates in this report are given for all activities with an annual provincial participation rate of three per cent or greater for the sampled population. Activities with an incidence below this level give potentially unreliable estimates when broken into demographic categories. Furthermore, in tables showing statistics broken into these categories, any value of statistic (a) above, that is an estimated population of fewer than 10,000 is not shown; and any value of statistic (b) that is based on an estimated population of fewer than 25,000 is also not shown. Reliability of such numbers is low.

## EXECUTIVE SUMMARY

### 1. INTRODUCTION

Much of the text of this report consists of the analysis of participation in 15 activities. (See Table ES-1 for the complete list and the selected 15 activities.) Tables on an additional 39 activities are presented in Appendix A. Most of the analysis is done for the socio-demographic characteristics of age, sex, education of resident and head of the household, occupation of the head of the household, household income and community size. Two additional characteristics analysed are residence in Northern versus Southern Ontario and month-to-month variation in participation.

Four statistical parameters of recreational participation are assessed:

- (a) the incidence of participation - the percentage participating in a given activity at least once per year (15 activities);
- (b) the frequency of participation - the average number of occasions in the past year (15 activities);
- (c) the socio-demographic profile of the average participant (all activities);
- (d) the intensity of participation - an aggregate statistic combining the total annual occasions with the total number of activities participated in per year (the analysis groups all activities together).

The text of the report is structured to give an analysis of all the demographic characteristics according to each of the statistical parameters in turn. The following general conclusions are also structured this way. However, the specific conclusions are structured in the reverse manner, by assessing all statistical indices according to each socio-demographic characteristic in turn.

## 2. GENERAL CONCLUSIONS

Summary statistics for the activities studied in this report are presented in Table ES-1, which gives a ranking of all activities according to occasions per capita, occasions per participant and the overall participation rates for the Province. The four activities done most frequently by many people in a year are recreational walking, recreational driving, recreational cycling and swimming. After this first group of activities the differences in rank between occasions per capita and occasions per participant become pronounced. Activities such as recreational boating, fishing, ice skating and picnicking are done by many people relatively infrequently. Another group of activities such as gymnastics, ice hockey, badminton, basketball, volleyball and track and field are done by only a few people, but are done very frequently. A fourth group consists of those activities with a low ranking for both occasions per participant and occasions per capita. That is, activities done infrequently by relatively few people, such as tobogganing, hunting, water-skiing, downhill skiing and snowshoeing or cross-country skiing.

Table ES-2 presents additional summary information on the aggregate statistics for the sampled population of Ontario according to socio-demographic characteristics. The distribution of the annual number of occasions of participation in the Province (about 1,154 million) is shown for each demographic characteristic analysed in the report. The distribution of the annual occasions can be compared with the distribution of the sampled population on the same table.

Another aggregate statistic given in Table ES-2 is the average number of activities per year in which each member of the demographic

TABLE ES-1

RANK OF ACTIVITIES\* ACCORDING TO OCCASIONS PER CAPITA,  
OCCASIONS PER PARTICIPANT AND PARTICIPATION RATE

	Occasions Per Capita		Occasions Per Participant		Participation Rate	
	Rank	Occasions	Rank	Occasions	Rank	Incidence
Recreational Walking	1	38.0	1	68.8	5	55.2%
Swimming**	2	20.8	4	31.1	1	66.4
Recreational Driving	3	18.3	5	28.1	2	64.8
Recreational Cycling**	4	17.0	3	49.5	14	34.4
Visiting a Private Cottage, Chalet, Hobby Farm	5	9.3	10	19.7	8	46.7
Attending a Sporting Event as a Spectator	6	9.3	12	17.7	6	52.5
Recreational Boating**	7	5.8	22	13.6	9	42.5
Fishing**	8	4.7	24	12.4	11	37.8
Ice Skating	9	4.0	26	12.2	15	32.5
Picnicking	10	3.9	32	6.4	3	59.9
Alley Bowling**	11	3.2	14	16.7	20	19.3
Camping**	12	3.1	28	10.1	16	29.3
Hiking**	13	3.0	23	12.7	17	23.8
Baseball or Softball	14	2.8	16	14.8	21	19.0
Gymnastics	14	2.8	2	59.9	37	4.7
Personal Nature Appreciation	14	2.8	24	12.4	18	22.3
Ice Hockey**	17	2.7	8	20.7	24	12.9
Recreational Snowmobiling**	18	2.5	20	13.9	22	18.0
Badminton	18	2.5	9	19.3	26	12.4

\* Activities with a participation rate of under 3 per cent for the Province have been excluded from this list. (See Appendix B for a complete list.)

\*\* 15 activities selected for detailed analysis in text.

TABLE ES-1 (continued)

	<u>Occasions Per Capita</u>		<u>Occasions Per Participant</u>		<u>Participation Rate</u>	
	<u>Rank</u>	<u>Occasions</u>	<u>Rank</u>	<u>Occasions</u>	<u>Rank</u>	<u>Incidence</u>
Basketball	18	2.5	7	21.3	27	11.5%
Attending a Live Theatre or Concert Performance	21	2.4	34	5.7	10	42.2
Tennis**	22	2.2	13	17.6	25	12.7
Golfing**	22	2.2	15	15.5	23	13.9
Organized Nature Appreciation	24	2.1	35	4.2	7	49.2
Volleyball	25	2.0	11	19.3	32	10.1
Visiting a Museum or Art Gallery**	26	1.6	35	4.2	12	37.5
Horseback Riding**	27	1.5	17	14.7	30	10.5
Attending an Annually Scheduled Fair, Exhibition, Sportsman Show, Festival	27	1.5	38	2.7	4	57.2
Football (Canadian)	27	1.5	18	14.6	31	10.4
Visiting an Historic Site or Display**	27	1.5	37	4.1	13	36.3
Tobogganning or Sledding	27	1.5	31	6.6	19	22.1
Soccer	32	1.2	19	14.4	33	8.4
Hunting	32	1.2	27	11.3	28	10.9
Water-skiing	34	1.0	29	9.3	29	10.7
Track and Field	35	0.9	6	24.5	38	3.7
Curling	36	0.7	21	13.8	36	4.9
Downhill Skiing	37	0.6	30	8.1	34	8.0
Snowshoeing or Cross-country Skiing**	38	0.4	33	5.8	35	6.6

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\*\* 15 activities selected for detailed analysis in text.

group participates. An estimate called the intensity of participation, (i.e., total number of occasions per person divided by the total number of activities per person) is also shown for each demographic group.

A summary of some general trends in the data for each statistical parameter follows. Conclusions in sections 2.1 and 2.2 are drawn for 15 activities only. Conclusions in sections 2.3, 2.4 and 2.5 are drawn for all activities grouped together.

## 2.1 Incidence of Participation

- (a) the majority of participants in most activities are males;
- (b) participation rates decline with an increase in age;
- (c) participation rates increase with an increase in education for both residents and heads of household;
- (d) participation rates are above-average for managerial, administrative and related; technological, social and cultural; and sales occupations; and below-average for service; processing and horticultural and animal husbandry occupations;
- (e) participation rates increase with an increase in household income;
- (f) participation rates are higher in Northern Ontario than in Southern Ontario for most activities except those requiring special facilities.

## 2.2 Frequency of Participation (Annual Occasions Per Capita)

- (a) males participate more frequently per capita than females;
- (b) occasions per capita decrease with an increase in age;
- (c) occasions per capita increase with an increase in education for seven of the fifteen activities analysed;
- (d) occasions per capita fluctuate with different occupational categories, but farming occupations generally have the lowest values;
- (e) occasions per capita increase with an increase in household income;

- (f) occasions per capita are lowest for Metropolitan Toronto for about half the activities studied, and middle-sized communities have higher-than-average values for most activities;
- (g) occasions per capita are higher in Northern Ontario than in Southern Ontario for most activities except those requiring special facilities.

### 2.3 Distribution of Total Annual Occasions (See Table ES-2)

(Expressed as proportional representation compared to the distribution of the whole sampled population in a demographic characteristic.)

- (a) males generate more occasions of participation annually than females;
- (b) the proportion of total occasions declines with an increase in age;
- (c) the proportion of total occasions increases with an increase in education;
- (d) the proportion of total occasions contributed by households headed by those in managerial, administrative and related; technological, social and cultural; and sales occupations is over-represented;
- (e) the proportion of total occasions increases with an increase in household income;
- (f) the proportion of total occasions contributed by all community sizes is approximately equal to the normal distribution, except Metropolitan Toronto is under-represented;
- (g) the proportion of total occasions contributed by Northern Ontario is slightly over-represented.

### 2.4 Average Annual Number of Activities Per Person (See Table ES-2)

- (a) is lower for females than for males;
- (b) decreases with an increase in age;
- (c) increases with an increase in education;
- (d) is higher for managerial, administrative and related; technological, social and cultural; and sales occupations than for others and is low for farming;

TABLE ES-2  
NUMBER AND DISTRIBUTION OF TOTAL OCCASIONS, AVERAGE  
NUMBER OF ACTIVITIES PER YEAR AND INTENSITY OF PARTICIPATION  
FOR SEVEN DEMOGRAPHIC CHARACTERISTICS\*

Demographic Characteristic		Distribution of Sampled Population	Total Occasions of Participation (000's)		Average Number of Activities Per Year	Average Frequency Per Activity
Sex, Age						
Male	12 to 19	10.2%	252,200	22%	19	21
	20 to 34	14.9	179,816	16	14	14
	35 to 49	11.6	106,482	9	10	14
	50 to 64	8.4	61,740	5	8	16
	65 and older	4.3	31,756	3	5	24
Female	12 to 19	9.8	195,408	17	17	19
	20 to 34	14.9	147,950	13	11	14
	35 to 49	11.3	91,652	8	9	15
	50 to 64	8.7	57,199	5	6	16
	65 and older	5.9	30,127	3	4	22
Education of Resident						
Less than Grade 9		28.2	301,751	27	9	19
Grade 9 to 11, No other		23.2	285,509	25	12	17
Grade 9 to 13		22.3	227,851	20	11	16
Grade 9 to 13, Some other		14.0	152,704	14	12	15
University		12.3	154,076	14	14	15

\* See Appendix B for complete description of the categories of Occupation and Community Size.

TABLE ES-2 (continued)

<u>Demographic Characteristics</u>	<u>Distribution of Sampled Population</u>	<u>Total Occasions of Participation (000's)</u>		<u>Average Number of Activities Per Year</u>	<u>Average Frequency Per Activity</u>
<u>Education of Head of Household</u>					
Less than Grade 9	30.4%	273,710	25%	9	17
Grade 9 to 11, No other	18.0	195,254	18	11	17
Grade 9 to 13	22.4	261,775	24	12	17
Grade 9 to 13, Some other	14.1	180,046	16	13	17
University	15.1	202,634	18	14	16
<u>Occupation of Head of Household</u>					
Managerial, Administrative and Related	10.0	127,374	11	13	16
Technological, Social and Cultural	12.4	167,656	15	14	16
Clerical and Related	6.9	72,573	6	11	16
Sales	8.1	112,373	10	13	18
Service	9.0	92,298	8	10	17
Farming, Horticultural and Animal Husbandry	4.9	33,799	3	9	13
Other Primary	1.7	23,140	2	11	20
Processing	5.9	61,839	5	10	17
Machinery, Product Fabricating and Construction Trades	25.2	278,206	24	11	17
Other Occupation	10.6	123,551	11	11	17
Occupation not stated	5.3	49,719	4	9	17

TABLE ES-2 (continued)

Demographic Characteristics	Distribution of Sampled Population	Total Occasions of Participation (000's)		Average Number of Activities Per Year	Average Frequency Per Activity
Household Income					
Less than \$3,000	4.6%	25,085	3%	6	19
\$3,000 to \$5,999	10.4	68,344	7	8	17
\$6,000 to \$9,999	20.0	172,212	19	11	17
\$10,000 to \$11,999	15.8	139,418	15	11	17
\$12,000 to \$14,999	18.7	198,799	21	13	17
\$15,000 to \$19,999	15.6	160,468	17	13	16
\$20,000 to \$24,999	8.6	100,525	11	14	17
\$25,000 and over	6.4	65,575	7	14	15
Community Size					
Less than 5,000	24.9	293,201	25	11	17
5,000 to 9,999	4.2	48,896	4	11	17
10,000 to 24,999	5.1	74,165	6	12	19
25,000 to 49,999	4.2	50,318	4	11	17
50,000 to 99,999	13.2	178,833	15	12	18
100,000 to 499,999	20.3	220,210	19	11	16
500,000 and over	28.0	288,993	25	11	16
Geographic Region					
Northern Ontario	9.3	130,479	11	14	17
Southern Ontario	90.7	1,023,963	89	11	17
All of Ontario	100.0	1,154,442	100	11	17

- (e) generally increases with an increase in household income;
- (f) is stable for communities of different sizes;
- (g) is higher for Northern Ontario than for Southern Ontario.

## 2.5 Intensity of Participation

(The total number of occasions per person divided by the total number of activities per person.)

- (a) is lower for females than for males;
- (b) declines through age groups between 20 and 64, but is higher for the younger and older age groups;
- (c) decreases with an increase in education of resident;
- (d) is stable across education levels of heads of household;
- (e) is stable across occupational categories, except farming (where intensity is lower than average) and "other primary" occupations (where intensity is slightly higher);
- (f) is fairly stable (a tendency to decline) with increases in household income;
- (g) is slightly higher than average for middle-sized communities, and just below average for urban areas;
- (h) is stable for Northern and Southern Ontario.

To many of these general trends there are some exceptions. The results of the analyses support many prevalent concepts about the patterns of recreational behaviour in relation to demographics. For example, the results support the notion that the most intensive participation is not by the highest income category, rather it is by those participants in the middle range of household income.

Some results, however, appear to contradict prevalent concepts. For example, it does not appear to be the case that the more activities a person engages in (beyond the level of only one or two activities per year), the fewer times he will do one, on average.

### 3. SPECIFIC CONCLUSIONS

#### 3.1 Age and Sex

In most activities the majority of participants are males, but a few activities (such as horseback riding) have more female than male participants. Generally, those activities involving aesthetic appreciation have a higher percentage of female participants than other activities, while a higher percentage of male participants engage in activities involving physical effort.

Males also participate more frequently per year than females on a per capita basis in all but three of the fifteen activities analysed. Females, however, participate on more occasions per participant per year than males in five activities.

The incidence of participation declines with increasing age. This decline is more rapid for those activities involving physical activity (such as ice hockey) than for less strenuous activities (such as visiting a museum or art gallery).

The occasions per capita decrease through age categories in 12 of the 15 activities studied; the other three (snowshoeing or cross-country skiing, visiting an historic site or display and visiting a museum or art gallery) have a fairly stable annual number of occasions per capita across different age categories.

In many activities such as recreational boating, camping and tennis, the age group 20 to 34, participate on fewer occasions per participant than do the younger (12 to 19) or next older (35 to 49) age groups.

The average age of participants for most activities except physically strenuous ones (such as tennis and ice hockey) is about  $31 \pm 3$  years. For the strenuous activities, the average age is approximately 20 to 24. The average age of female participants tends to be slightly younger than males; again with a few exceptions (such as visiting a museum or art gallery and alley bowling) where female participants are, on average, slightly older than males.

The aggregate statistics of participation used in Chapter IV show that an insignificant number of either males or females aged 12 to 19 do not participate in any activities per year, whereas about 12 per cent of males and 18 per cent of females over 64 do not participate in any recreational activities. Approximately 36 per cent of the youngest age group (including both sexes) participate in over 20 activities per participant annually. This group also generates about 40 per cent of the annual total occasions of participation by all sampled residents of Ontario.

The intensity of participation (i.e., total number of occasions per person divided by the total number of activities per person, calculated for different levels of the annual number of activities) shows a pattern consistent with the life cycle of much of the population that works or raises a family between the ages of 20 and 64. Those in this age group not only do fewer activities, on average, than the younger group, but they also participate on fewer occasions per activity than either the younger or older age groups who participate in the same number of activities.

### 3.2 Education of Residents and Heads of Household

Eight of the 15 activities analysed show an increase in the participation rate with an increase in education. Several activities (such as recreational snowmobiling and fishing) show a decline in participation rate as education increases. Furthermore, a few activities (such as camping and horseback riding) fluctuate mildly but are generally constant across education levels. The group categorized by the heads of the household having less than Grade 9 education has the lowest participation rate in every activity except recreational snowmobiling.

The highest number of occasions per capita in swimming, recreational boating, recreational snowshoeing or cross-country skiing, hiking, visiting an historic site or display, visiting a museum or art gallery, golfing and tennis are for people with an education level of Grade 12 to 13 plus post-secondary or university for either themselves or the heads of their household.

On the other hand, the highest number of occasions per capita in fishing, recreational snowmobiling, horseback riding and alley bowling are for the groups characterized by an education level of Grade 11 or less (for categorization by education of either residents or heads of household).

Thus, the general case for an activity is that if members of a certain education level have an above-average participation rate, they will also have an above-average number of annual occasions per capita. This relation, however, is not always the same for occasions per participant.

The education profiles of participants in an activity vary little among activities or between sexes. The average number of years of education for participants in most activities is 11 or 12. The only activity, of the 15 studied, with a higher average level of education (i.e., 13 to 15 years) is cross-country skiing.

The general trend in the distribution of participants across the various levels of participation (i.e., the number of activities done in the past year) indicate that with increasing education levels of both residents and heads of household there is a greater proportion of the population doing more activities.

The intensity of participation (i.e., average annual occasions per activity) increases with increasing education, but only up to a point. Once the level of six to ten activities is reached the trend reverses and those categorized by lower levels of education participate more frequently per activity than do those in the higher education categories. This effect is particularly noticeable at the level of "20 or more" activities per year where participants in the level of less than Grade 9 education participate on average about 20 to 21 occasions per activity per year and those at the level of university education show an intensity of about 14 to 16 occasions per activity per year.

### 3.3 Occupation of the Heads of Household

The members of households where the occupation of the head is managerial, administrative and related; technological, social and cultural; or sales, have above-average participation rates in at least 12 of the 15 activities analysed. Residents in a second group of head of household occupational categories (primary occupations

other than farming, horticultural and animal husbandry; processing; machinery, product fabricating and construction trades; and other miscellaneous occupations) have above-average participation rates in four to six of the 15 activities. Above-average participation rates occur for only one to two activities for members of households where the head is in a third group of occupational categories (clerical and related; service; and farming, horticultural and animal husbandry).

When the annual number of occasions per capita is analysed, residents categorized under the farming occupations also have the lowest values for seven of the fifteen activities and second lowest in two more. Residents of households whose head is in a clerical or related occupation, have the lowest occasions per capita in hiking, ice hockey and horseback riding, and second lowest in swimming and recreational boating.

The highest number of occasions per capita in fishing, recreational snowmobiling, hiking and camping result from those persons categorized in primary occupations other than farming. Residents from households of managerial, administrative and related; technological, social and cultural; and sales occupations have the highest occasions per capita in eight activities (swimming, recreational boating, cross-country skiing, visiting a museum or art gallery, golfing, tennis, ice hockey and alley bowling).

For most occupation categories, the distribution of participants across categories of the number of activities participated in per year is in similar proportions to the distribution for the total sampled population. The exceptions to this trend are:

- (a) in the categories of farming, horticultural and animal husbandry

and processing, which are over-represented in the lower levels of participation (between one and five activities per year);

- (b) in the three categories of managerial, administrative and related; technological, social and cultural; and sales which have a proportional representation at the upper levels of participation (over 11 activities per year) which is higher than that of the normal population of participants.

### 3.4 Household Income

In general, the participation rate increases with increasing household income. With some activities (such as fishing and camping) the participation rate increases to the middle income range, then declines at upper levels.

Households with a gross annual income of under \$6,000 have lower-than-average participation rates in all 15 of the activities analysed. Members of households with an annual income of \$25,000 and over have above-average participation in 13 of the 15 activities.

Occasions per capita also increase with an increase in household income for most of the activities studied. Although fishing, recreational cycling, hiking and camping all tend to peak in occasions per capita at the household income range of \$10,000 to \$14,999, hiking and camping have a fairly stable per capita rate across all income categories. Fishing and recreational cycling definitely decline across higher income categories.

Anglers and campers from households with an annual income of less than \$3,000 participate more frequently per year than do the participants from any other income group. Occasions per participant increase with an increase in income, generally speaking.

The average participant in most of the 15 activities comes from

a household with an annual income of \$14,000 to \$15,000. Cross-country skiers, golfers and tennis players come from households with a slightly higher annual income (between \$15,000 and \$18,000), whereas, the average angler, camper and hockey player is from a household with a slightly lower (\$12,000 to \$14,000) income than that of the average participant in other activities.

For households with less than \$3,000 gross annual income, about 62 per cent of the members participate in five or fewer activities per year, whereas, only about 31 per cent of the whole population participates in these few activities. Only about 15 per cent of residents from households with an income of \$25,000 and over participate in five or fewer activities per year.

The intensity of participation by income groups portrays a different pattern from the distributions mentioned above. Although the low income groups do the fewest activities most frequently, the highest income groups do the middle range of activities (6 to 15) most frequently, and the middle income group of \$12,000 to \$14,999 do 16 or more activities most frequently.

### 3.5 Community Size

Residents of rural areas (population under 5,000) and of small urban centres (5,000 to 99,999) both have above-average participation rates in many of the same activities (such as motor boating, fishing, recreational snowmobiling, hiking, camping, horseback riding and ice hockey). In contrast, residents of large urban centres (100,000 and over) have above-average participation rates in eight activities, four of which are not in common with the smaller communities. These four are cross-country skiing, visiting an historic site or display,

visiting a museum or art gallery and tennis. The middle-sized communities have above-average participation rates in 11 of the 15 activities studied.

Metropolitan Toronto residents have the lowest number of occasions per capita in nine to 15 activities and the highest in only two activities. In general, when the pattern of above-average occasions per capita is assessed for all of the 15 activities, horseback riding, hiking and recreational snowmobiling can be identified as predominantly rural activities; hockey, camping and fishing as activities based in rural and small town areas; and visiting a museum or art gallery, tennis and golf as predominately urban activities.

Communities with between 10,000 and 24,999 population have the highest proportion of residents doing the most activities (20 or more annually), while Metropolitan Toronto has the lowest proportion of people doing that many activities. In general, the distributions of members from each community size across the levels of participation show little variation.

With regard to the intensity of participation, residents of communities between the sizes of 5,000 and 49,999 participate in most activities most frequently (20 or more activities at approximately 20 to 21 occasions per activity annually). Residents of rural areas under 5,000 in population or centres over 50,000 participate in the fewest activities most frequently (one to two activities per year at about 25 to 40 occasions per activity annually).

### 3.6 Northern and Southern Ontario

Residents of Northern Ontario have higher participation rates than those of Southern Ontario in 45 of 54 activities. Generally, the more popular activities in Southern Ontario are those involving special facilities such as a museum or a tennis court. Residents of Northern Ontario have a participation rate in fishing, motor boating, recreational snowmobiling and small game hunting which is over 20 per cent higher than that of residents of Southern Ontario.

Southern Ontario has a higher percentage of participants, than the provincial average, at the lower levels of participation (from zero to ten activities per person per year). This finding is also true for the percentage of the annual occasions at the level of zero to ten activities. Northern Ontario presents the reverse trend, having a higher-than-average percentage of both participants and total occasions at the higher levels of participation.

Furthermore, with regard to the intensity of participation, residents of Northern Ontario tend to do more activities more frequently than residents of Southern Ontario, although the difference in magnitude is not large. For example, residents of Northern Ontario who participate in between 16 and 20 activities per participant per year engage in each activity, on average, on 17.2 occasions per year, whereas, for Southern Ontario the estimate is 16.2 occasions per activity per year.

### 3.7 Month-to-month Variation in Participation

Of the 15 activities analysed, four of them (hiking, horseback riding, visiting a museum or art gallery and alley bowling) have

under ten per cent variation in the amount of participation occurring between winter and summer months. All other activities such as swimming and recreational snowmobiling have a distribution (of the percentage of occasions occurring each month) that peaks strongly in either summer or winter. For example, an estimated 21 per cent of recreational boating occurs in August whereas under one per cent occurs in January.

The activities that peak during summer have the highest percentage of occasions during August, except for fishing, recreational cycling and tennis which peak during July.

Snowshoeing or cross-country skiing, horseback riding and visiting an historic site or display, visiting a museum or art gallery all have a more pronounced peak in Northern than in Southern Ontario.

## CHAPTER I

### INCIDENCE OF PARTICIPATION FOR SELECTED ACTIVITIES

#### 1. INTRODUCTION

This chapter describes the participants in various socio-demographic categories. For each demographic category, three numbers are shown: the participation rate, the number of participants, and the distribution of participants in per cent.

The participation rate (c) indicates the percentage of the population (in a given demographic category) who participate in an activity. For example, in the first cell (i.e., upper left hand corner) of Table I-1, 92.7 indicates that 92.7 per cent of individuals who are males and aged 12 to 19 years are swimmers.

The numbers of participants (n) given in the tables are population estimates (in thousands) of the number of participants in each demographic category. These estimates are based on the non-institutional population in Ontario 12 years and older as of October 1, 1973. For example, 579 in the first cell of Table I-1, indicates that approximately 579,000 Ontario residents who are males 12 to 19 years old participate in swimming.

The distribution percentage (r) indicates the percentage of all participants who are in a given demographic category. It shows how the participants are distributed across demographic categories. For example, in the first cell of Table I-1, 27.6 indicates that 27.6 per cent of males in Ontario who swim are aged 12 to 19 years.

## 2. AGE AND SEX

Activity participation varies with both the age and sex of respondents (Table I-1). For most activities, the difference in the participation rate between the sexes is less than that between the highest and lowest age categories. Of the 15 activities listed in Table I-1, however, the difference between the participation rates of the sexes is greater than that between the highest and lowest age categories for golfing and ice hockey.

In most activities, the participation rate is greater for males than females. Even so, participation rates are approximately equal in two and greater for females in two of the 15 activities in Table I-1. Recreational bicycling and visiting a developed historic site or display have approximately equal participation rates for both sexes; horseback riding and visiting a museum or art gallery are participated in more by females than males.

An idea of the differences in the total number of participants of both sexes may be obtained from Figure I-1. Figure I-1 shows that these major differences are not present with the five activities of visiting a developed historic site or display, recreational bicycling, alley bowling, horseback riding and cross-country skiing. Visiting a museum or art gallery however, does show a higher number of female than male participants.

The contrast between male and female participation rates is further seen by ranking the activities in terms of the percentage of participants in each activity who are male. If we rank from highest to lowest according to the row percentage of males, the 15 activities in Table I-1 are ice hockey, golfing, fishing, cross-

TABLE I-1  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS  
IN SELECTED RECREATIONAL ACTIVITIES FOR AGE AND SEX CATEGORIES  
OF THE ONTARIO POPULATION

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average by Sex	Per Cent by Sex
Swimming	Male	c	<u>92.7%</u>	<u>82.9%</u>	<u>68.2%</u>	44.2%	20.6%	69.2%	
		n	579	754	484	228	55	2,100	51.6%
		r	27.6%	35.9%	23.0%	10.9%	2.6%		
	Female	c	<u>92.0</u>	<u>76.9</u>	62.4	43.5	13.3	63.4	
		n	552	701	433	233	48	1,967	48.4
		r	28.1	35.6	22.0	11.8	2.4		
Motor Boating	Male	c	<u>43.4</u>	<u>44.0</u>	<u>33.9</u>	28.9	17.2	36.6	
		n	271	403	241	149	45	1,109	54.8
		r	24.4	36.3	21.7	13.4	4.1		
	Female	c	<u>37.9</u>	<u>34.9</u>	31.2	23.4	7.4	29.4	
		n	228	318	216	126	27	915	45.2
		r	24.9	34.8	23.6	13.8	3.0		
Fishing	Male	c	<u>64.0</u>	<u>54.6</u>	<u>50.4</u>	<u>38.9</u>	27.9	50.5	
		n	398	499	357	200	74	1,528	66.0
		r	26.0	32.7	23.4	13.1	4.8		
	Female	c	<u>36.9</u>	<u>30.3</u>	24.9	17.6	6.2	25.4	
		n	220	276	173	95	23	787	34.0
		r	28.0	35.1	22.0	12.1	2.9		
Cross-country Skiing	Male	c	<u>5</u>	<u>4</u>	<u>4</u>	2	1	3.6	
		n	31	38	27	10	-	108	58.7
		r	29	35	25	9	2		
	Female	c	<u>5</u>	<u>3</u>	<u>3</u>	1	-	2.4	
		n	28	23	18	-	-	76	41.3
		r	37	30	24	9	-		
Recreational Bicycling	Male	c	<u>79.6</u>	<u>32.4</u>	19.6	8.3	2.8	32.5	
		n	499	297	140	43	-	986	50.3
		r	50.6	30.1	14.2	4.4	0.7		
	Female	c	<u>76.1</u>	<u>34.3</u>	22.8	7.8	0.7	31.3	
		n	457	313	158	42	-	973	49.7
		r	47.0	32.2	16.2	4.3	0.3		
Recreational Snowmobiling	Male	c	<u>34.1</u>	<u>23.9</u>	<u>18.8</u>	9.3	2.2	20.4	
		n	213	219	134	48	-	620	56.0
		r	34.4	35.3	21.6	7.7	1.0		
	Female	c	<u>30.5</u>	<u>19.4</u>	12.9	6.5	0.9	15.7	
		n	183	177	89	35	-	487	44.0
		r	37.6	36.3	18.3	7.2	0.6		

Note:

1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

- Population estimate less than 10,000

TABLE I-1 (continued)

<u>Activity</u>	<u>Sex</u>		<u>12 to 19</u>	<u>20 to 34</u>	<u>35 to 49</u>	<u>50 to 64</u>	<u>65 and over</u>	<u>Average by Sex</u>	<u>Per Cent by Sex</u>
Hiking	Male	c	<u>46.1</u>	<u>27.0</u>	20.6	13.8	10.1	25.7	
		n	288	247	146	71	27	779	53.2
		r	37.0	31.7	18.7	9.1	3.5		
	Female	c	<u>44.0</u>	23.7	19.0	11.6	2.4	22.0	
		n	264	217	132	62	-	684	46.8
		r	38.6	31.7	19.3	9.1	1.3		
Visiting a Developed Historic Site or Display	Male	c	<u>46.0</u>	<u>38.9</u>	<u>37.8</u>	29.7	21.5	37.0	
		n	288	357	269	153	57	1,124	50.4
		r	25.6	31.8	23.9	13.6	5.1		
	Female	c	<u>41.8</u>	<u>39.2</u>	<u>36.8</u>	32.8	18.4	35.6	
		n	249	359	255	176	67	1,106	49.6
		r	22.5	32.5	23.1	15.9	6.1		
Visiting a Museum or Art Gallery	Male	c	<u>47.8</u>	<u>39.6</u>	34.4	28.2	22.3	36.6	
		n	300	362	244	146	59	1,111	48.3
		r	27.0	32.6	22.0	13.1	5.3		
	Female	c	<u>49.0</u>	<u>43.1</u>	36.4	32.2	21.2	38.3	
		n	293	394	252	173	77	1,189	51.7
		r	24.6	33.1	21.2	14.6	6.5		
Camping	Male	c	<u>52.2</u>	<u>39.3</u>	28.7	17.8	7.1	32.6	
		n	321	354	203	91	19	988	55.5
		r	32.5	35.8	20.5	9.2	1.9		
	Female	c	<u>46.1</u>	<u>32.3</u>	22.0	11.9	2.9	25.5	
		n	274	291	152	64	10	791	44.5
		r	34.6	36.8	19.2	8.1	1.3		
Golfing	Male	c	<u>26.3</u>	<u>26.0</u>	<u>20.4</u>	<u>18.4</u>	4.5	21.6	
		n	165	238	145	95	12	655	76.8
		r	25.2	36.3	22.1	14.5	1.8		
	Female	c	7.3	7.5	7.3	5.6	1.4	6.4	
		n	44	68	51	30	-	198	23.2
		r	22.2	34.3	25.8	15.2	2.5		
Tennis	Male	c	<u>32.0</u>	<u>18.9</u>	7.0	4.4	0.4	14.8	
		n	201	173	50	23	-	448	57.2
		r	44.9	38.6	11.2	5.1	0.2		
	Female	c	<u>27.2</u>	<u>13.4</u>	5.6	1.6	0.3	10.8	
		n	163	123	39	-	-	335	42.8
		r	48.7	36.7	11.6	2.7	0.3		
Horseback Riding	Male	c	<u>24.4</u>	<u>13.2</u>	4.5	1.7	0.8	10.4	
		n	153	120	32	-	-	316	48.8
		r	48.4	38.0	10.1	2.8	0.6		
	Female	c	<u>33.3</u>	<u>10.8</u>	3.4	1.1	0.6	10.7	
		n	200	99	24	-	-	331	51.2
		r	60.4	29.9	7.2	1.8	0.6		

- Population estimate less than 10,000.

TABLE 1-1 (continued)

Activity	Sex	10 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average	Percentage
Ice Hockey	Male	c 55.7	26.9	10.6	1.1	0.3	22.3	85.6
		n 343	246	75	-	-	677	
		r 51.6	36.3	11.1	0.3	0.1		
	Female	c 12.0	2.7	2.4	-	-	3.7	14.4
		n 73	25	16	-	-	114	
		r 64.0	21.9	14.0	-	-		
Alley Bowling	Male	c 29.3	26.1	14.9	12.6	4.9	20.0	51.1
		n 184	239	106	65	13	607	
		r 30.3	39.4	17.5	10.7	2.1		
	Female	c 27.0	23.4	17.2	12.5	4.0	18.5	45.1
		n 162	214	119	67	14	576	
		r 28.1	37.2	20.7	11.6	2.4		
Percentage of Respondents in Age and Sex Categories	Male	20.7	30.2	23.4	16.9	9.7		49.4
	Female	19.3	29.4	22.3	17.3	11.6		50.6

- Population estimate less than 10,000.

FIGURE 1-1  
NUMBER OF ONTARIO MALES AND FEMALES PARTICIPATING  
IN SELECTED RECREATIONAL ACTIVITIES AT LEAST ONCE IN PAST 12 MONTHS

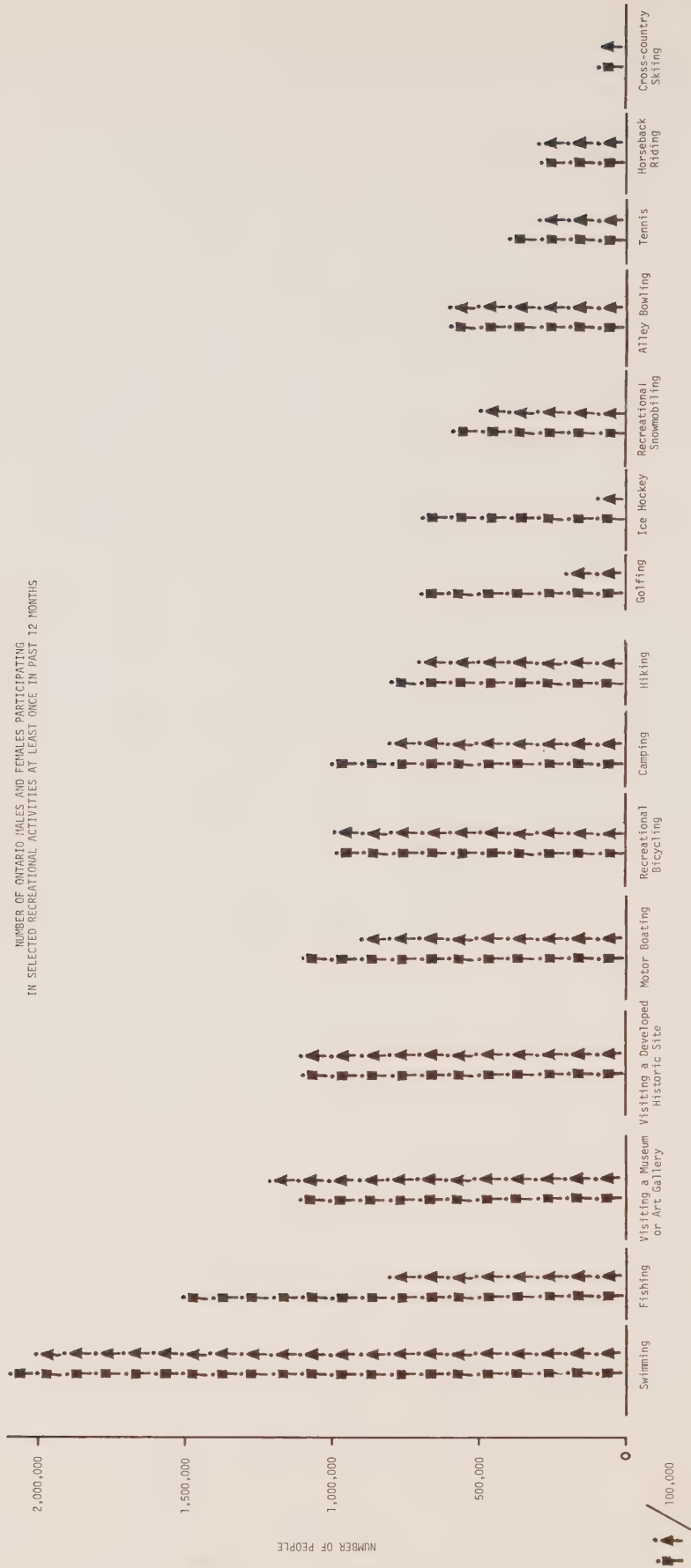


FIGURE I-2

PERCENTAGE OF ONTARIO POPULATION  
PARTICIPATING IN SELECTED RECREATIONAL ACTIVITIES  
BY AGE AND SEX CATEGORIES

Participation  
Per Cent

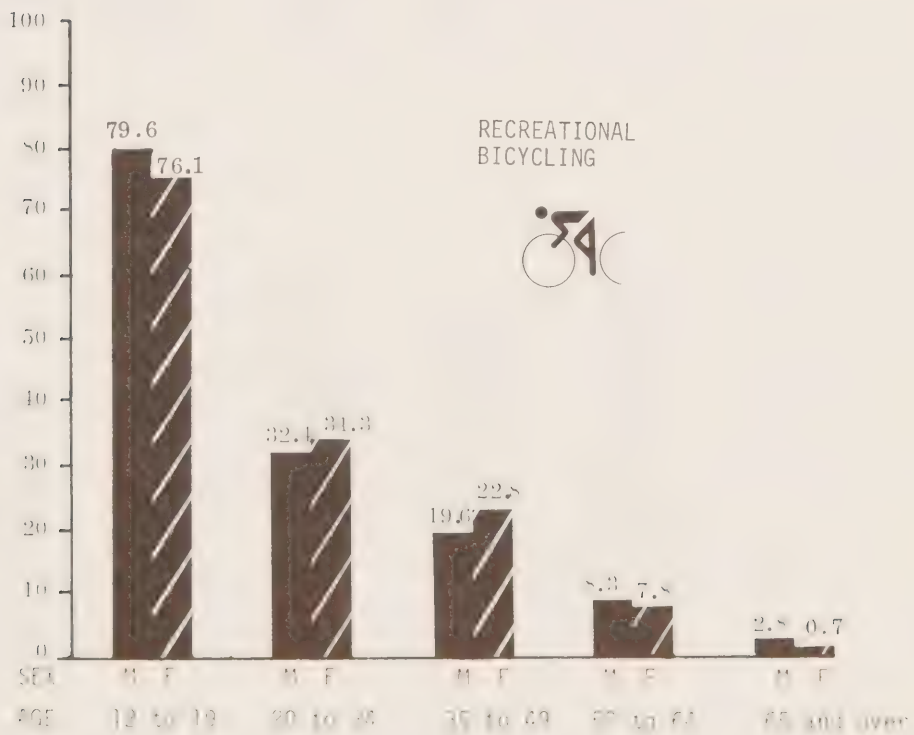
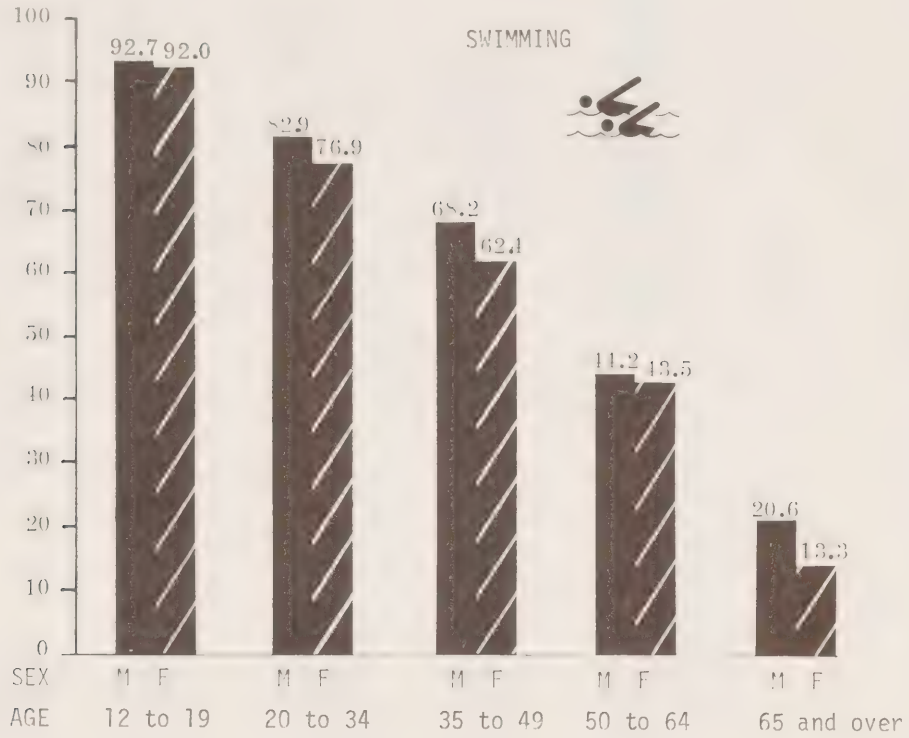


FIGURE I-2 (continued)

Participation  
Per Cent

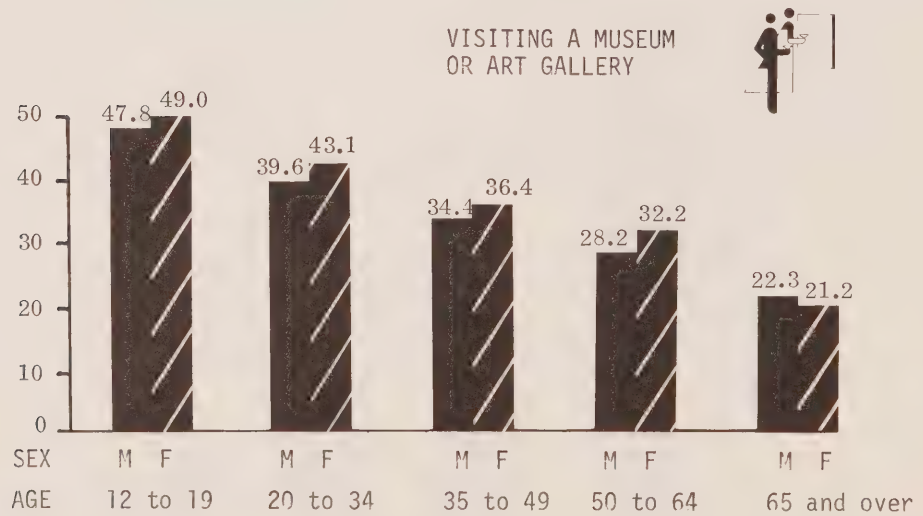
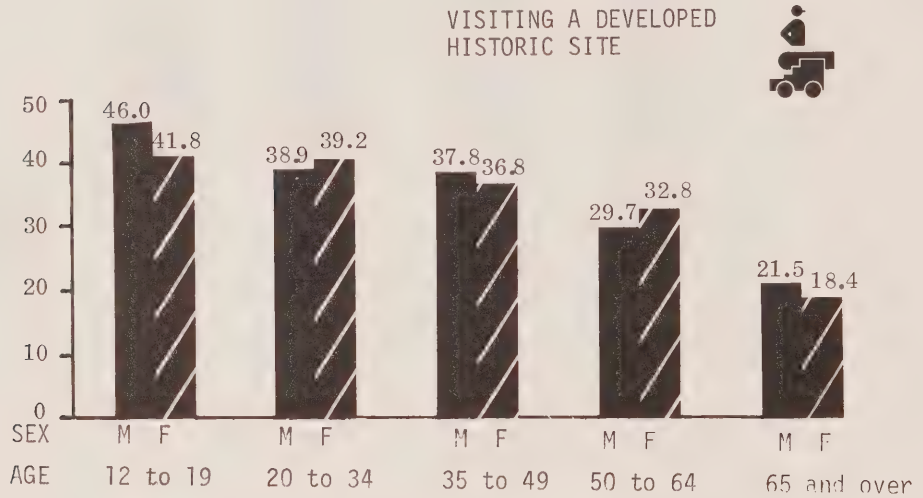
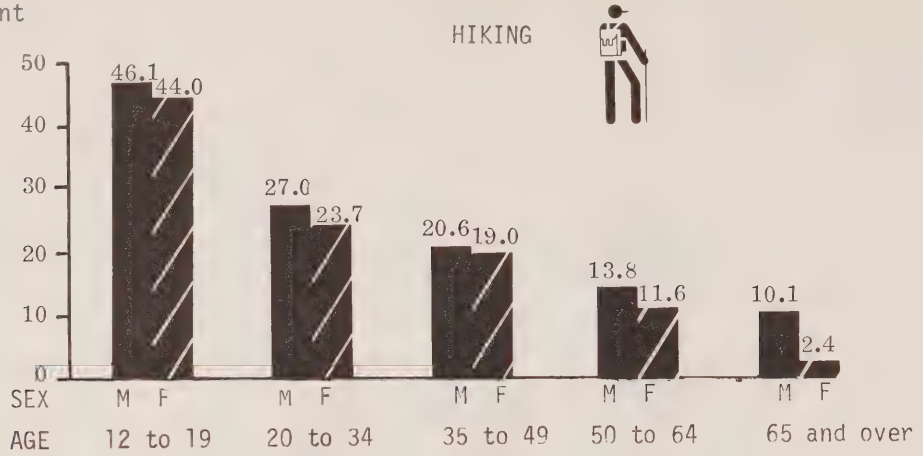
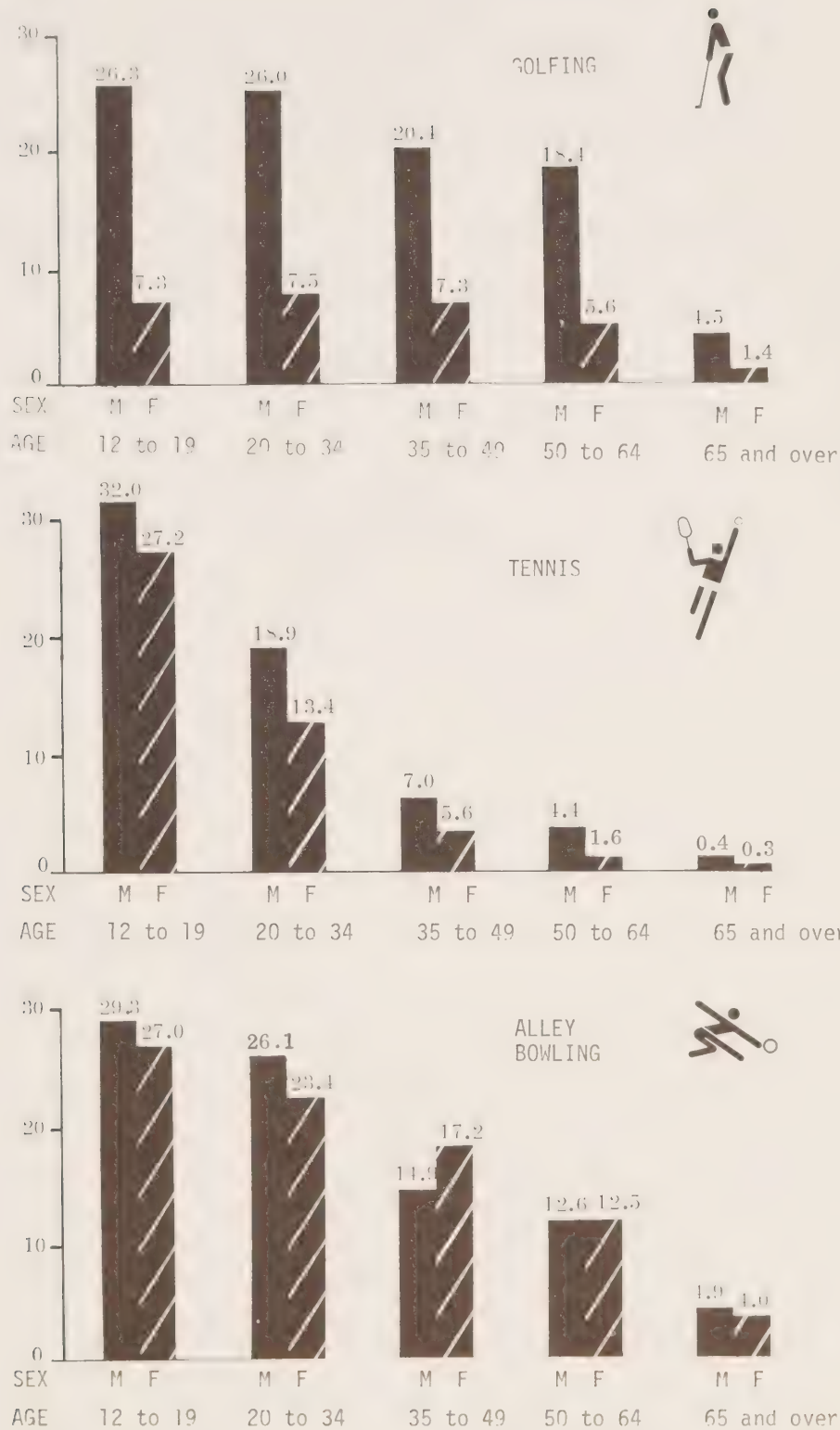


FIGURE I-2 (continued)

Participation  
Per Cent



Source: Table I-1

country skiing, tennis, recreational snowmobiling, camping, motor boating, hiking, swimming, alley bowling, visiting a developed historic site or display, recreational bicycling, horseback riding and visiting a museum or art gallery. From this list it may be seen that those activities involving more aesthetic appreciation have a higher percentage of female participants and activities involving physical effort tend to have more male participants.

In general, participation in recreation declines with increasing age. For some activities this decline is more rapid than in others. The way the participation rate declines is demonstrated in Figure I-2. In general, participation declines more rapidly with age in activities involving intense physical activity such as tennis, swimming and recreational bicycling. This decline with age is not as apparent in activities of a sedate nature such as visiting a developed historic site or display and visiting a museum or art gallery.

### 3. EDUCATION OF RESIDENTS AND HEADS OF HOUSEHOLD

With the education variable, people are grouped according to either their own education or that of the head of the household. Some activities have increasing participation rates with increasing education levels of residents; for example, swimming, cross-country skiing, hiking, visiting a developed historic site or display, visiting a museum or art gallery and golfing (Table I-3). The participation rates that increase with increasing education levels of the heads of household are for swimming, motor boating, cross-country skiing, hiking, visiting a developed historic site or display, visiting a museum or art gallery, golfing and tennis (Table I-4).

Other activities are more popular with lower education groups. For example, recreational snowmobiling and ice hockey are most popular among residents with an education of grade 9 to 11.

Some activities are most popular with people in middle range education groups. Activities having such relationships with education level of the heads of household are fishing and alley bowling.

The way in which participants in the 15 activities are distributed among the education categories is shown in Figures I-3 and I-4. The activities in these figures are chosen so they link with Tables I-3 and I-5. Tables I-3 and I-5 show those activities (of the 15 in Tables I-2 and I-4) having the highest and lowest percentage of their participants in each education category. For example, Table I-3 shows that the education category grade 9 to 13 (for residents) contributes a greater percentage of all participants in alley bowling (26%) than it does for any of the other selected activities. By comparing all the pie diagrams in Figure I-3, we see that the largest wedge for category 3 (grade 9 to 13) is for alley bowling. By a similar comparison it may be seen that the wedge for cross-country skiing (18%) is the smallest.

The central circles in Figures I-3 and I-4 show the distribution in education levels of the Ontario population and of the heads of household in Ontario. Approximately 22 per cent of the Ontario population is in the grade 9 to 13 education category. Hence, the proportion of alley bowlers with grade 9 to 13 education (26%) is higher than the proportion of the population with grade 9 to 13 education (22%).

TABLE I-2  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS  
IN SELECTED RECREATIONAL ACTIVITIES BY  
EDUCATION LEVELS OF THE ONTARIO POPULATION

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University	Range
Swimming	c	49.8%	<u>69.2%</u>	<u>69.7%</u>	<u>76.4%</u>	<u>81.6%</u>	31.8%
	n	842	963	933	643	605	
	r	21.1%	24.2%	23.4%	16.1%	15.2%	
Motor Boating	c	23.0	<u>35.0</u>	<u>35.2</u>	<u>40.6</u>	<u>39.8</u>	17.6
	n	388	487	472	343	296	
	r	19.5	24.5	23.8	17.3	14.9	
Fishing	c	34.0	<u>40.6</u>	<u>38.6</u>	<u>39.5</u>	<u>38.4</u>	6.6
	n	575	565	517	334	285	
	r	25.3	24.8	22.7	14.7	12.5	
Snowshoeing or Cross-country Skiing	c	2	2	2	<u>3</u>	<u>9</u>	7
	n	29	26	32	25	67	
	r	16	14	18	14	38	
Recreational Bicycling	c	29.2	<u>36.2</u>	26.2	29.7	<u>41.0</u>	14.8
	n	494	504	351	251	304	
	r	25.9	26.5	18.4	13.2	16.0	

Note:

1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

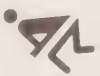









TABLE I-2 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>	<u>Range</u>
Recreational Snowmobiling	c	15.4	<u>25.2</u>	17.2	17.6	13.2	12.0
	n	261	351	230	149	98	
	r	24.0	32.2	21.2	13.6	9.0	
Hiking	c	20.3	22.7	22.7	<u>24.0</u>	<u>34.9</u>	14.6
	n	344	316	304	203	259	
	r	24.1	22.2	21.3	14.2	18.2	
Visiting a Developed Historic Site or Display	c	27.3	33.2	<u>36.5</u>	<u>45.5</u>	<u>53.1</u>	25.8
	n	462	460	489	384	394	
	r	21.1	21.0	22.3	17.6	18.0	
Visiting a Museum or Art Gallery	c	29.2	32.6	36.5	<u>45.6</u>	<u>60.0</u>	30.8
	n	494	454	488	384	445	
	r	21.8	20.0	21.6	17.0	19.6	
Camping	c	24.8	<u>33.7</u>	28.6	<u>31.1</u>	<u>31.3</u>	8.9
	n	415	464	379	261	231	
	r	23.7	26.5	21.7	14.9	13.2	
Golfing	c	6.4	12.5	<u>15.4</u>	<u>21.4</u>	<u>22.4</u>	16.0
	n	109	174	207	181	166	
	r	13.0	20.8	24.7	21.6	19.9	
Tennis	c	6.8	12.3	10.2	<u>14.3</u>	<u>27.9</u>	21.1
	n	116	171	137	121	207	
	r	15.4	22.8	18.2	16.1	27.5	
Horseback Riding	c	9.6	<u>13.9</u>	9.9	7.3	<u>11.0</u>	6.7
	n	163	193	133	61	81	
	r	25.8	30.6	21.0	9.7	12.9	

TABLE I-2 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>	<u>Range</u>
Ice Hockey	c	12.4	<u>16.3</u>	10.8	11.0	<u>13.3</u>	5.5
	n	210	227	145	93	99	
	r	27.1	29.3	18.8	12.0	12.8	
Alley Bowling	c	13.7	<u>23.0</u>	<u>22.1</u>	<u>20.9</u>	17.6	9.3
	n	232	320	296	177	131	
	r	20.1	27.7	25.6	15.3	11.3	
Percentage of Sample in Each Education Level		28.2	23.2	22.3	14.0	12.3	

TABLE I-3  
ACTIVITIES WITH HIGHEST AND LOWEST PERCENTAGE  
OF PARTICIPANTS  
IN EACH EDUCATION LEVEL<sup>1</sup>

Education Level	Activity with Highest Percentage of Participants	Activity with Lowest Percentage of Participants
Less than Grade 9	Ice Hockey (27%) 	Golfing (13%) 
Grade 9 to 11, No other	Snowmobiling (32%) 	Cross-country Skiing (14%) 
Grade 9 to 13	Alley Bowling (26%) 	Cross-country Skiing (18%) 
Grade 12 to 13, Some other	Golfing (22%) 	Horseback Riding (10%) 
University	Cross-country Skiing (38%) 	Snowmobiling (9%) 

<sup>1</sup> Fifteen selected activities are used to select highest and lowest per cent.

TABLE I-4  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS  
IN SELECTED RECREATIONAL ACTIVITIES BY  
EDUCATION LEVELS OF THE HEADS OF HOUSEHOLD

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>	<u>Range</u>
Swimming	c	49.6%	65.2%	<u>75.5%</u>	<u>78.2%</u>	<u>81.7%</u>	32.1%
	n	892	693	958	649	731	
	r	22.7%	17.7%	24.4%	16.6%	18.6%	
Motor Boating	c	24.0	<u>35.0</u>	<u>37.2</u>	<u>38.0</u>	<u>40.4</u>	16.4
	n	431	372	490	316	362	
	r	21.9	18.9	24.8	16.0	18.4	
Fishing	c	32.7	<u>41.0</u>	<u>41.7</u>	<u>41.3</u>	37.0	9.0
	n	587	436	548	343	331	
	r	26.2	19.4	24.4	15.3	14.7	
Snowshoeing or Cross-country Skiing	c	1	1	3	3	<u>10</u>	9.0
	n	21	14	34	25	86	
	r	12	8	18	14	48	
Recreational Bicycling	c	24.4	30.5	<u>33.2</u>	<u>32.7</u>	<u>43.2</u>	18.8
	n	440	325	440	272	387	
	r	23.6	17.4	23.6	14.6	20.8	

Note:

1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

TABLE I-4 (continued)












<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>	<u>Range</u>
Recreational Snowmobiling	c	<u>18.3</u>	<u>21.6</u>	<u>18.7</u>	18.0	13.1	8.5
	n	328	230	247	149	118	
	r	30.6	21.5	23.0	13.9	11.0	
Hiking	c	17.2	21.2	<u>26.0</u>	<u>26.7</u>	<u>34.8</u>	17.6
	n	308	225	345	222	312	
	r	21.8	16.0	24.4	15.7	22.1	
Visiting a Developed Historic Site or Display	c	25.2	33.0	<u>38.3</u>	<u>43.4</u>	<u>54.3</u>	29.1
	n	454	351	504	360	486	
	r	21.1	16.3	23.4	16.7	22.5	
Visiting a Museum or Art Gallery	c	25.1	31.4	<u>38.4</u>	<u>45.4</u>	<u>61.2</u>	36.1
	n	452	334	508	377	547	
	r	20.4	15.0	22.9	17.0	24.7	
Camping	c	23.2	<u>30.5</u>	<u>33.1</u>	<u>32.7</u>	<u>32.0</u>	9.9
	n	414	323	432	270	286	
	r	24.0	18.7	25.0	15.7	16.6	
Golfing	c	6.1	11.6	<u>16.6</u>	<u>20.2</u>	<u>22.0</u>	15.9
	n	111	124	220	168	197	
	r	13.5	15.1	26.9	20.5	24.0	
Tennis	c	7.0	8.8	11.9	<u>15.1</u>	<u>26.6</u>	19.6
	n	126	94	157	126	238	
	r	17.0	12.7	21.2	17.0	32.1	
Horseback Riding	c	8.6	10.2	<u>11.9</u>	10.0	<u>11.4</u>	3.3
	n	155	109	158	83	102	
	r	25.5	18.0	26.0	13.7	16.8	

TABLE I-4 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>	<u>Range</u>
Ice Hockey	c	10.2	<u>13.4</u>	<u>14.4</u>	<u>13.9</u>	<u>13.1</u>	4.2
	n	184	143	190	116	117	
	r	24.5	19.1	25.3	15.6	15.6	
Alley Bowling	c	15.5	<u>20.7</u>	<u>23.5</u>	<u>23.2</u>	17.0	8.0
	n	279	220	311	193	152	
	r	24.2	19.0	26.9	16.7	13.2	
Percentage of Sample in Head of Household Education Levels		30.4	18.0	22.4	14.1	15.1	

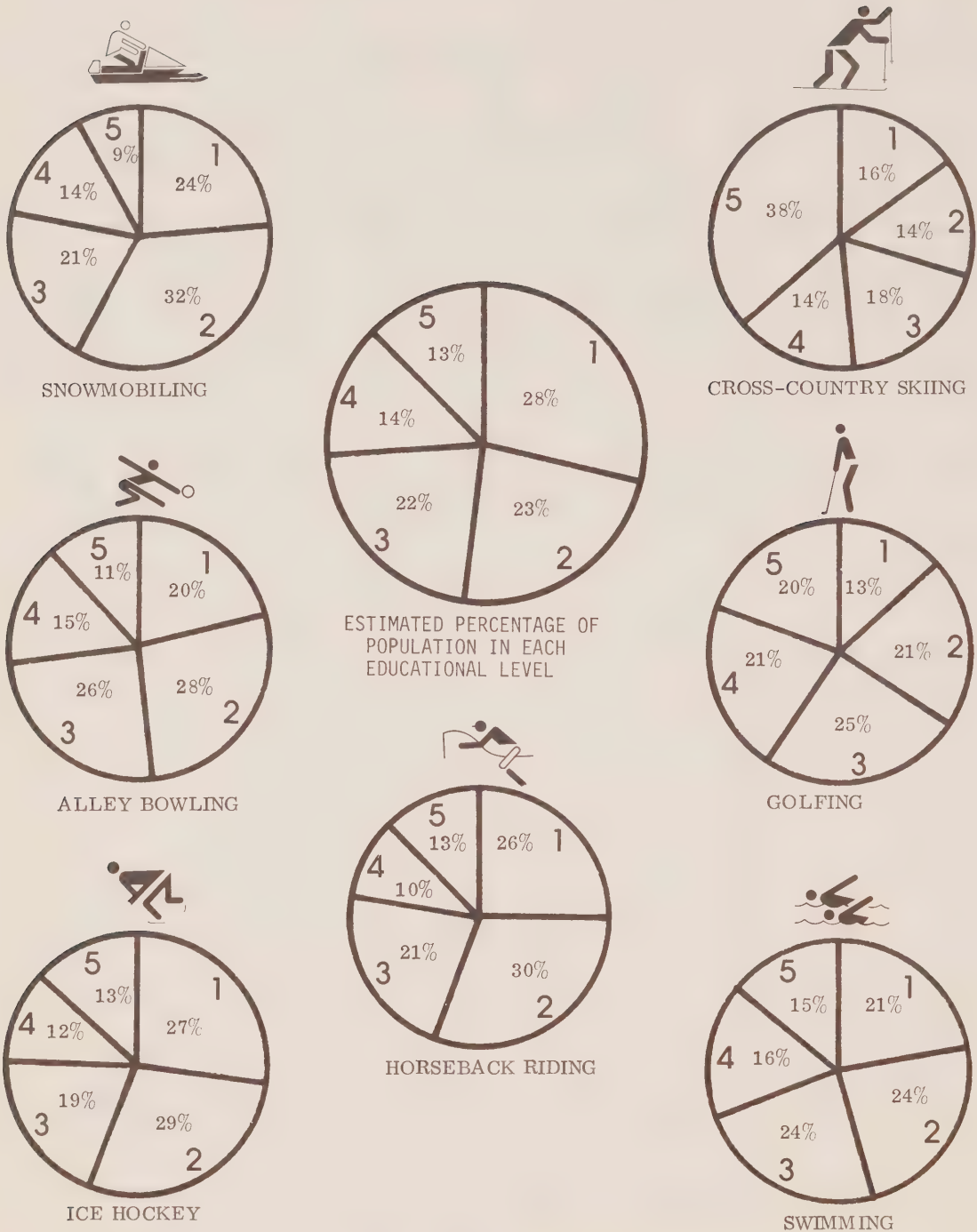
TABLE I-5

ACTIVITIES WITH HIGHEST AND LOWEST PERCENTAGE  
OF PARTICIPANTS BY EACH EDUCATION LEVEL  
OF THE HEADS OF HOUSEHOLD<sup>1</sup>

Education Level	Activity with Highest Percentage of Participants	Activity with Lowest Percentage of Participants
Less than Grade 9	Snowmobiling (31%) 	Cross-country Skiing (12%) 
Grade 9 to 11, No other	Snowmobiling (22%) 	Cross-country Skiing (8%) 
Grade 9 to 13	Golfing (27%)  Alley Bowling (27%) 	Cross-country Skiing (18%) 
Grade 12 to 13, Some other	Golfing (21%) 	Horseback Riding (14%) 
University	Cross-country Skiing (48%) 	Snowmobiling (11%) 

<sup>1</sup>Fifteen selected activities are used to select highest and lowest per cent.

FIGURE I-3  
PERCENTAGE OF PARTICIPANTS BY EDUCATION LEVELS  
FOR SELECTED RECREATIONAL ACTIVITIES<sup>1</sup>

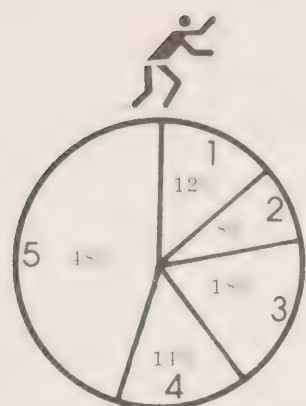


<sup>1</sup> Each circle represents 100%  
1 = Less than Grade 9  
2 = Grade 9 to 11, No Other  
3 = Grade 9 to 13  
4 = Grade 12 to 13, Some Other  
5 = University

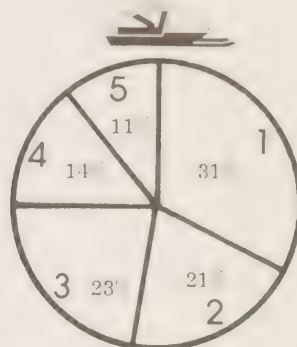
Source: Table I-2

FIGURE I-4

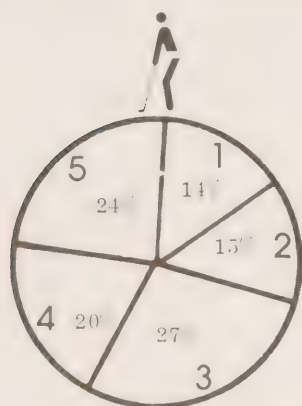
PERCENTAGE OF PARTICIPANTS BY EDUCATION LEVELS OF THE HEADS  
OF HOUSEHOLD FOR SELECTED RECREATIONAL ACTIVITIES<sup>1</sup>



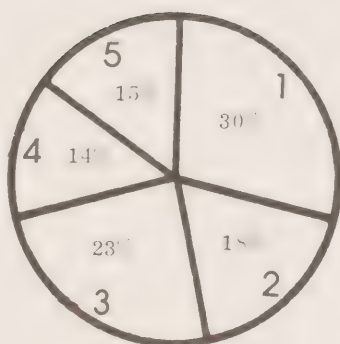
CROSS-COUNTRY SKIING



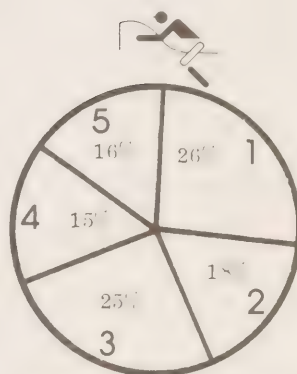
SNOWMOBILING



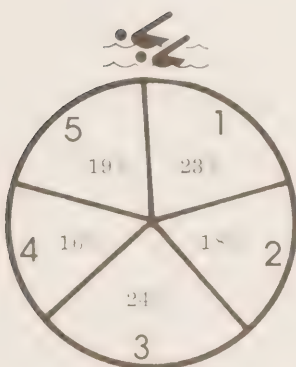
GOLFING



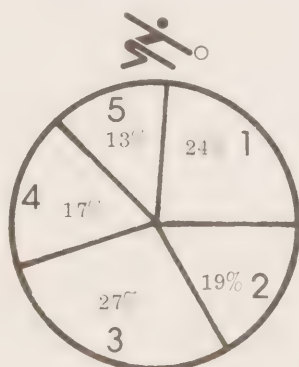
ESTIMATED PERCENTAGE OF  
POPULATION IN EACH  
EDUCATIONAL LEVEL



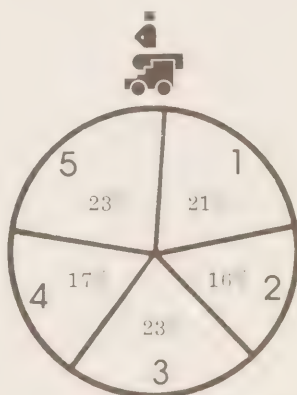
HORSEBACK RIDING



SWIMMING



ALLEY BOWLING



VISITING A DEVELOPED  
HISTORIC SITE OR  
DISPLAY

<sup>1</sup> Each circle represents 100  
1 = Less Than Grade 9  
2 = Grade 9 to 11, No Other  
3 = Grade 9 to 13  
4 = Grade 12 to 13, Some Other  
5 = University

Source: Table I-4

The highest distributional percentage of participants in an education category is not always larger than the corresponding percentage of the population in the education category. For example, in the "Less than Grade 9" education level of the Ontario population the distributional percentage for ice hockey (the largest distributional per cent) is smaller than the corresponding percentage of the population with less than grade 9 education.

#### 4. OCCUPATION OF THE HEADS OF HOUSEHOLD

The occupation classes of managerial, technological, social and cultural (professional and technical), and sales have a high number of activities with above-average participation rates, whereas those of service, farming and clerical have a low number. In the latter three occupational classes, activities with above-average participation rates are horseback riding in the service and farming categories, recreational snowmobiling in the farming category, and alley bowling and visiting a developed historic site or display in the clerical category. Fishing has a higher than average rate for the sales category but not for the managerial or professional and technical categories. On the other hand, an above-average participation rate in cross-country skiing is found with the managerial and professional groups but not with the sales group.

In part, the recreational lifestyles of members of the households of each occupation class may be inferred by examining the above-average participation rates (which are underlined) in their respective columns in Table I-6. Thus, the recreational lifestyle of the households of primary workers other than farming, appears to be differentiated from those of other occupation classes by their

TABLE I-6  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS IN SELECTED RECREATIONAL ACTIVITIES  
BY OCCUPATION OF THE HEADS OF HOUSEHOLD

Activity	Managerial, Administrative and Related			Technological, Social and Cultural			Clerical and Related			Sales Service			Farming, Horticultural and Animal Husbandry			Other Primary			Processing			Manufacturing, Product Fabricating and Construction Trades			Other Occupations			Occupations not Stated			Range		
	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r
Swimming	78.6%	473	11.8%	76.7	592	14.7%	65.3%	272	368	75.0%	61.9%	44.9%	44.9%	132	3.3%	57.7%	57	213	59.9%	64.9%	988	24.6%	66.4%	48.1%	48.1%	427	155	3.9	10.6%	3.9	33.7%	33.7%	
Motor Boating	40.5	244	12.2	36.8	276	13.8	32.1	134	203	41.2	29.3	20.0	20.0	59	3.0	45.6	45	116	32.5	32.0	487	24.3	31.7	22.1	22.1	204	71	3.6	10.2	3.6	25.6	25.6	
Fishing	36.7	200	9.6	37.2	279	12.2	33.4	139	218	44.4	36.1	26.5	26.5	79	3.4	52.7	50	161	45.2	40.5	617	26.9	40.7	21.8	21.8	262	70	3.1	11.4	3.1	30.9	30.9	
Cross-country Skiing	5	29	16	9	66	36	2	-	-	1	2	2	2	-	3	4	4	2	3	3	3	1	1	1	1	1	1	1	1	1	1	1	
Recreational Bicycling	41.8	252	13.0	42.2	317	16.4	27.9	117	168	34.2	27.8	19.1	19.1	56	2.9	18.9	19	96	26.9	31.6	481	24.8	29.1	27.9	27.9	187	90	4.8	9.7	9.7	23.3	23.3	
Recreational Snowmobiling	18.4	111	10.1	13.8	104	9.5	11.4	48	98	19.9	14.6	33.2	33.2	98	8.9	30.3	30	69	19.4	19.2	292	26.6	20.6	11.0	11.0	133	18	3.2	12.1	12.1	11.0	11.0	

Note:

1. c - participation rate (column %)  
n - population estimate of number of participants (in 000's) obtained from weighted responses  
r - distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

- Population estimate less than 10,000

TABLE 1-6 (continued)

Activity	Managerial, Administrative and Related			Technological, Social and Cultural			Clerical and Related			Service			Farming, Horticultural and Animal Husbandry			Other Primary			Processing			Machinery, Product Fabricating and Construction Trades			Other Occupations			Occupations not Stated			Range		
	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r
Hiking	c	25.9		35.7			22.8	28.5	20.0	14.5			28.5			22.7	21.4		22.1	19.9		21.2			19.9			22.1	21.4		19.9		21.2
	n	156		268			96	141	109	43			28			81	326		142	64				64			142	326		64			
	r	10.7		18.4			6.6	9.7	7.5	3.0			1.9			5.6	22.4		9.8	4.4				4.4			9.8	22.4		4.4			
Visiting a Developed Historic Site or Display	c	44.5		50.3			36.9	42.2	32.1	28.4			26.1			31.6	32.4		33.5	26.7		24.2			26.7			33.5	32.4		26.7		24.2
	n	267		377			155	207	176	84			26			113	494		216	86				86			216	494		86			
	r	12.1		17.1			7.1	9.4	8.0	3.8			1.2			5.1	22.5		9.8	3.9				3.9			9.8	22.5		3.9			
Visiting a Museum or Art Gallery	c	48.9		55.6			35.1	46.3	33.1	23.5			20.4			31.1	32.0		32.7	32.9		35.2			32.9			32.7	32.0		32.9		35.2
	n	295		417			147	228	182	69			21			110	487		210	106				106			210	487		106			
	r	13.0		18.4			6.5	10.0	8.0	3.0			0.9			4.8	21.4		9.3	4.7				4.7			9.3	21.4		4.7			
Camping	c	30.5		33.8			25.3	30.3	24.7	19.2			40.1			28.3	31.4		33.4	20.0		20.9			20.0			33.4	31.4		20.0		20.9
	n	183		251			105	147	135	56			38			100	474		213	64				64			213	474		64			
	r	10.4		14.2			5.9	8.3	7.6	3.2			2.2			5.7	26.8		12.1	3.6				3.6			12.1	26.8		3.6			
Golfing	c	22.2		19.2			10.9	23.3	9.7	7.1			5.0			11.9	12.1		10.2	8.0		18.3			8.0			10.2	12.1		8.0		18.3
	n	134		144			46	115	53	21			-			42	184		66	26				26			66	184		26			
	r	16.0		17.3			5.5	13.8	6.4	2.5			0.6			5.1	22.0		7.8	3.1				3.1			7.8	22.0		3.1			
Tennis	c	20.7		21.7			12.7	14.8	9.2	4.4			5.2			9.4	10.6		8.7	12.9		17.3			12.9			8.7	10.6		12.9		17.3
	n	125		163			53	73	50	13			-			34	161		56	41				41			56	161		41			
	r	16.1		21.1			6.9	9.4	6.5	1.7			0.7			4.3	20.8		7.3	5.4				5.4			7.3	20.8		5.4			

- Population estimate less than 10,000

TABLE I-6 (continued)

Activity	Managerial, Administrative and Related			Technological, Social and Cultural			Clerical and Related			Sales			Service			Farming, Horticultural and Animal Husbandry			Other Primary			Processing			Machinery, Product Fabricating and Construction Trades			Other Occupations			Occupations not Stated			Range		
	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r			
Horseback Riding	c	11.9		11.7			9.0			11.4			11.0			11.3			6.5			6.3			10.1			10.8			12.7			6.4		
	n	72		88			38			56			60			33			-			22			154			69			41					
	r	11.2		13.7			5.9			8.8			9.4			5.2			1.0			3.5			24.0			10.8			6.4					
Ice Hockey	c	15.9		14.1			10.9			14.1			12.5			10.8			12.7			14.7			12.7			13.2			7.2			8.7		
	n	96		106			46			70			69			32			13			52			193			85			23					
	r	12.2		13.5			5.9			8.9			8.8			4.1			1.7			6.6			24.6			10.8			2.9					
Alley Bowling	c	20.6		16.7			22.9			22.4			16.9			13.4			14.7			19.5			21.5			19.0			14.7			9.5		
	n	124		126			96			111			93			40			15			70			327			122			47					
	r	10.6		10.8			8.2			9.5			7.9			3.4			1.3			6.0			27.9			10.4			4.0					
Percentage of Sample in Major Categories		10.0		12.4			6.9			8.1			9.0			4.9			1.7			5.9			25.2			10.6			5.3					

- Population estimate less than 10,000

FIGURE I-5

PERCENTAGE OF ONTARIO POPULATION PARTICIPATING IN SELECTED RECREATIONAL ACTIVITIES BY OCCUPATION OF THE HEADS OF HOUSEHOLD

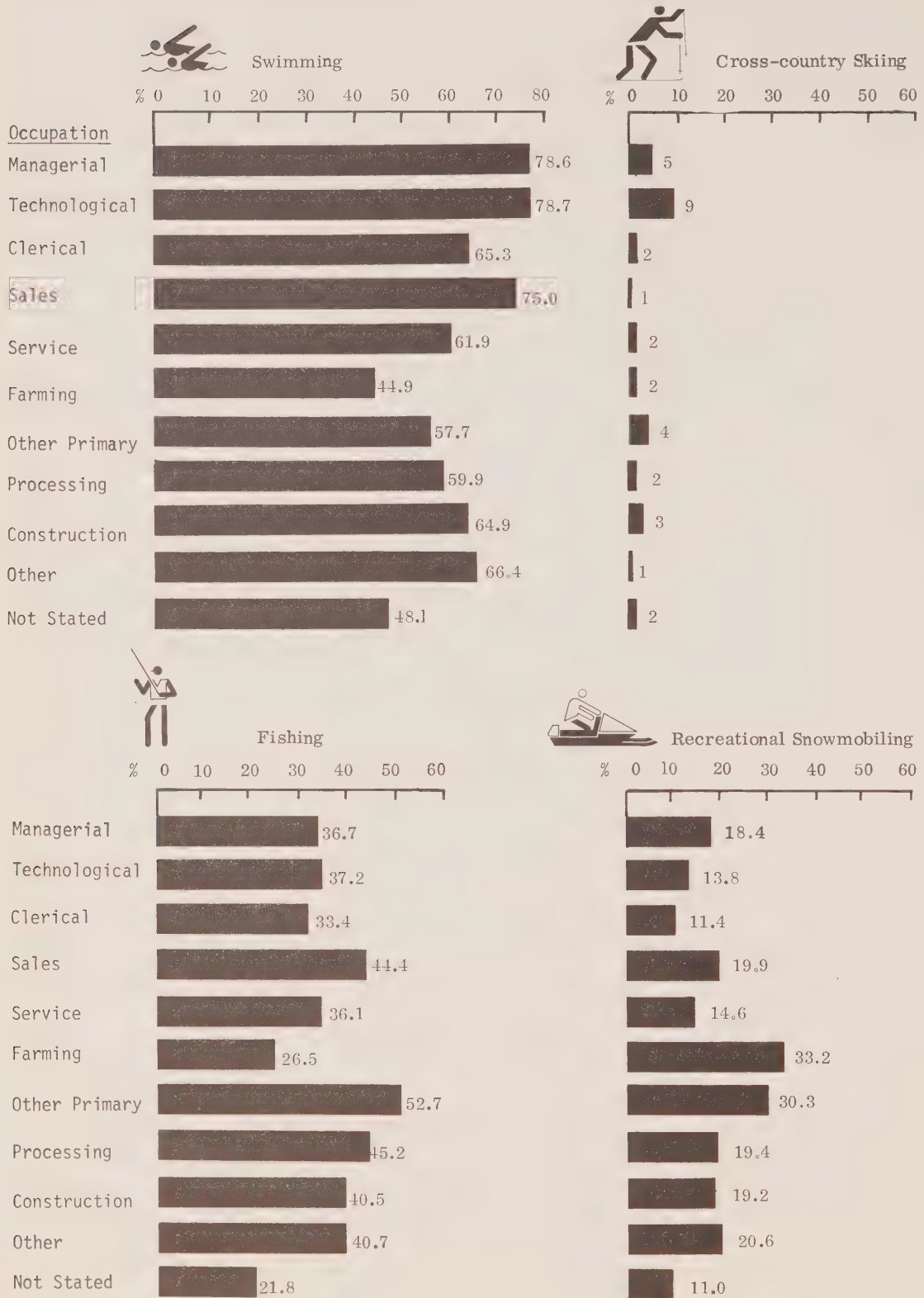
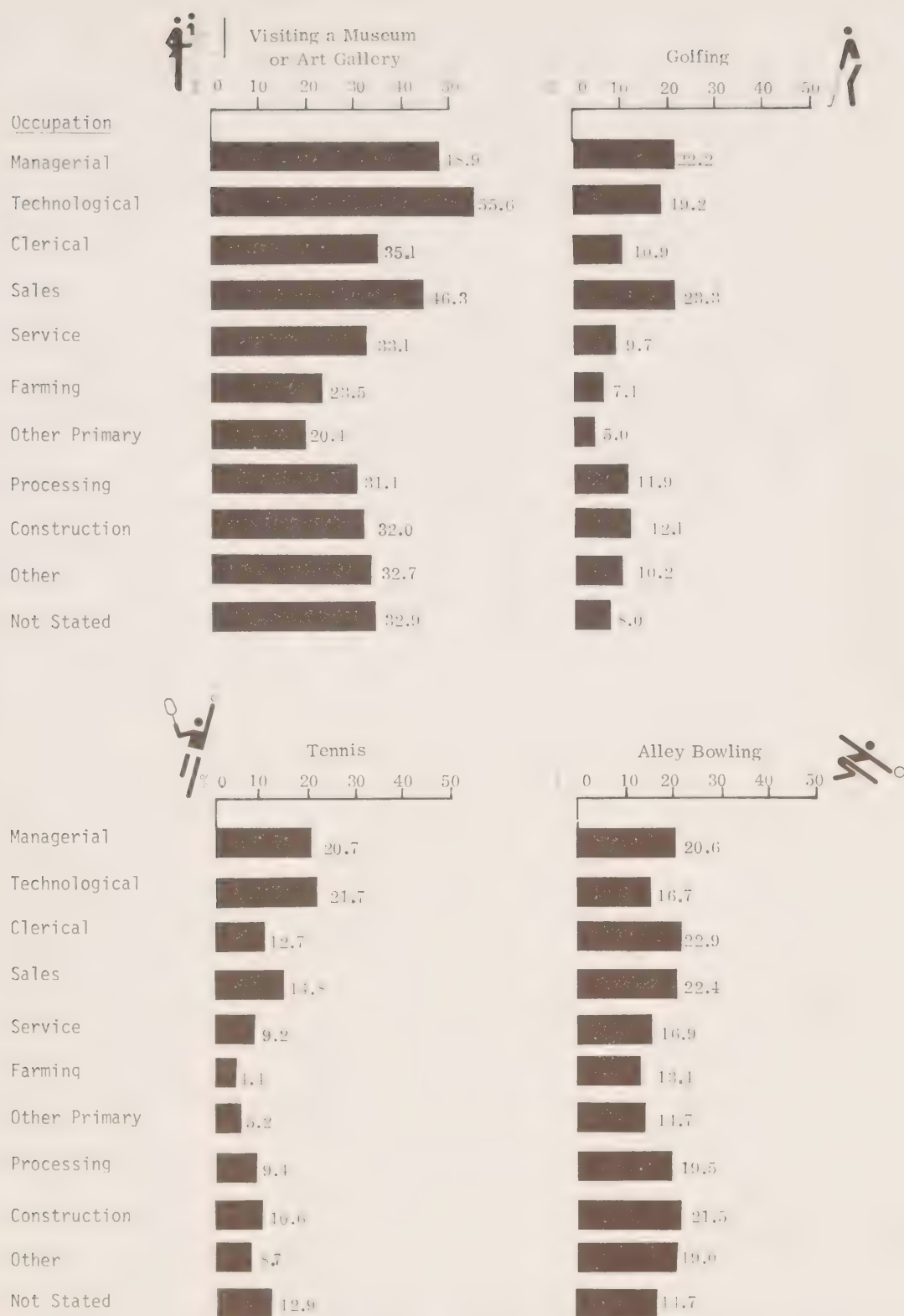


FIGURE I-5 (continued)



Source: Table I-6

having the highest participation rates in motor boating, fishing and camping. Though several other occupation classes have above-average participation rates in one or more of these activities, the recreational lifestyle of the households of primary workers other than farming, can be partially described by participation in these three activities. Through a similar process, the recreational lifestyles of the households of other occupational classes may be inferred.

Figure I-5 shows the two general patterns of participation rates that exist across the occupation categories. One of these has the higher participation rates (and, hence, longer bars) in the managerial, professional-technical and, sometimes, sales categories. This appears in Figure I-5 for swimming, cross-country skiing, visiting a museum or art gallery, golfing and tennis. The second pattern has above-average participation rates in other primary and, sometimes, farming and processing categories. This is seen in Figure I-5 for fishing and recreational snowmobiling.

The prevalence of the first pattern may be gathered by the number of underlinings in the first, second and fourth columns of Table I-6. These managerial, professional, and sales groups have above-average participation rates in 12 or more of the 15 activities, whereas those participants categorized under other primary, processing and machinery, or construction trades have above-average participation rates in only four to five activities.

## 5. HOUSEHOLD INCOME

In general, as Figure I-6 shows, participation rates increase with increasing income. This general pattern is well displayed by cross-country skiing and golfing. However, exceptions to this pattern

are evident. Some activities have declining participation rates at upper income levels and others do not have very much differentiation across income categories.

When the participation rate first increases with income and then declines at upper levels, an "inverted U" type relationship of income to participation results. This type of pattern is evident for fishing and camping.

For an idea of the relative differences of participation rates across income categories, a ratio is taken of the range to the average participation rate. Low values of this ratio indicate low relative change across income categories. Of the 15 activities in Table I-7, the lowest values of the ratio occur for fishing and visiting a developed historic site or display. Visiting a museum or art gallery, fishing and alley bowling are activities in Figure I-6 with low ratios. High ratios, indicating large relative differences in participation rates between income categories, are evident for golfing and cross-country skiing.

Participation rates above the provincial average are not evident for any activities in the household income categories of under \$6,000. The threshold income level for above-average participation rates appears to be \$6,000. In contrast, 13 activities in Table I-7 have above-average participation rates associated with the category of \$25,000 and over. Moreover, of these 13, the activities of motor boating, recreational bicycling, cross-country skiing, snowmobiling, golfing, tennis and horseback riding have their highest participation rates in the \$25,000 and over category. These seven activities indicate differences in the recreational lifestyle between high and average income households.

TABLE I-7  
INCIDENCE OF PARTICIPATION IN THE PAST 12 MONTHS IN SELECTED RECREATIONAL ACTIVITIES  
BY HOUSEHOLD INCOME OF THE ONTARIO POPULATION

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or unknown	Range
	c	n	r	c	n	r	c	n	r	
Swimming	28.2%	44.7%	62.5%	65.7%	77.7%	76.5%	82.1%	81.0%	62.3%	53.9%
	63	227	609	508	708	579	343	252	780	
	1.5%	5.6%	15.0%	12.5%	17.4%	14.2%	8.4%	6.2%	19.2%	
Motor Boating	15.9	22.9	28.4	32.6	39.2	39.2	42.5	49.7	28.3	33.8
	35	117	277	252	358	297	178	155	356	
	1.7	5.8	13.7	12.4	17.7	14.7	8.8	7.6	17.6	
Fishing	22.1	28.8	38.0	39.3	45.8	42.7	48.8	37.7	30.7	26.7
	49	146	371	303	417	323	205	117	385	
	2.1	6.3	16.0	13.1	18.0	13.9	8.9	5.1	16.6	
Cross-country Skiing	1	1	2	2	3	3	4	8	3	7
	-	-	19	16	31	26	18	26	41	
	2	3	10	9	17	14	10	14	22	
Recreational Bicycling	11.8	18.7	29.5	29.5	36.6	35.1	36.2	38.8	35.7	27.0
	26	95	288	228	334	267	152	121	449	
	1.3	4.9	14.7	11.6	17.0	13.6	7.8	6.2	22.9	
Recreational Snowmobiling	6.3	12.9	16.8	17.6	20.9	22.9	22.6	26.9	14.7	20.6
	14	65	164	136	191	174	95	84	184	
	1.3	5.9	14.8	12.3	17.2	15.7	8.5	7.6	16.7	

Note:

1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

- Population estimate less than 10,000

Activity	Less than \$2,000	\$2,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$24,999	\$25,000 and over	Refused or Unknown	Range
Hiking	1.6 n 28 r 1.9	14.4 73 5.0	22.9 224 15.3	22.8 176 12.1	26.4 240 16.4	29.8 125 8.6	26.4 82 5.6	22.8 287 19.6	17.2
Visiting a University Site or Museum	26.0 n 45 r 1.0	26.3 134 6.0	34.5 337 15.1	34.4 266 11.9	39.3 358 16.0	45.6 191 8.6	42.9 134 6.0	34.0 427 19.2	25.6
Visiting a Museum or Art Gallery	16.9 n 45 r 2.2	28.9 147 8.4	36.4 346 15.6	36.1 279 12.1	37.5 342 14.5	40.7 198 9.1	45.9 152 6.6	37.0 465 20.2	29.8
Golfing	12.1 n 31 r 1.4	18.0 91 6.1	30.8 299 16.2	31.6 241 13.5	36.2 274 16.2	35.4 144 8.8	27.3 85 4.8	26.4 305 18.4	21.6
Fishing	1.8 n 31 r 1.4	6.0 31 3.6	8.8 86 10.1	11.1 93 10.9	12.1 162 14.0	13.5 144 11.4	12.1 87 6.0	11.1 124 17.8	11.1
Swimming	1.1 n 31 r 1.4	5.0 31 3.2	8.5 84 11.1	11.1 85 10.6	14.8 135 11.8	16.8 144 11.8	18.8 144 11.8	17.4 174 12.1	11.8

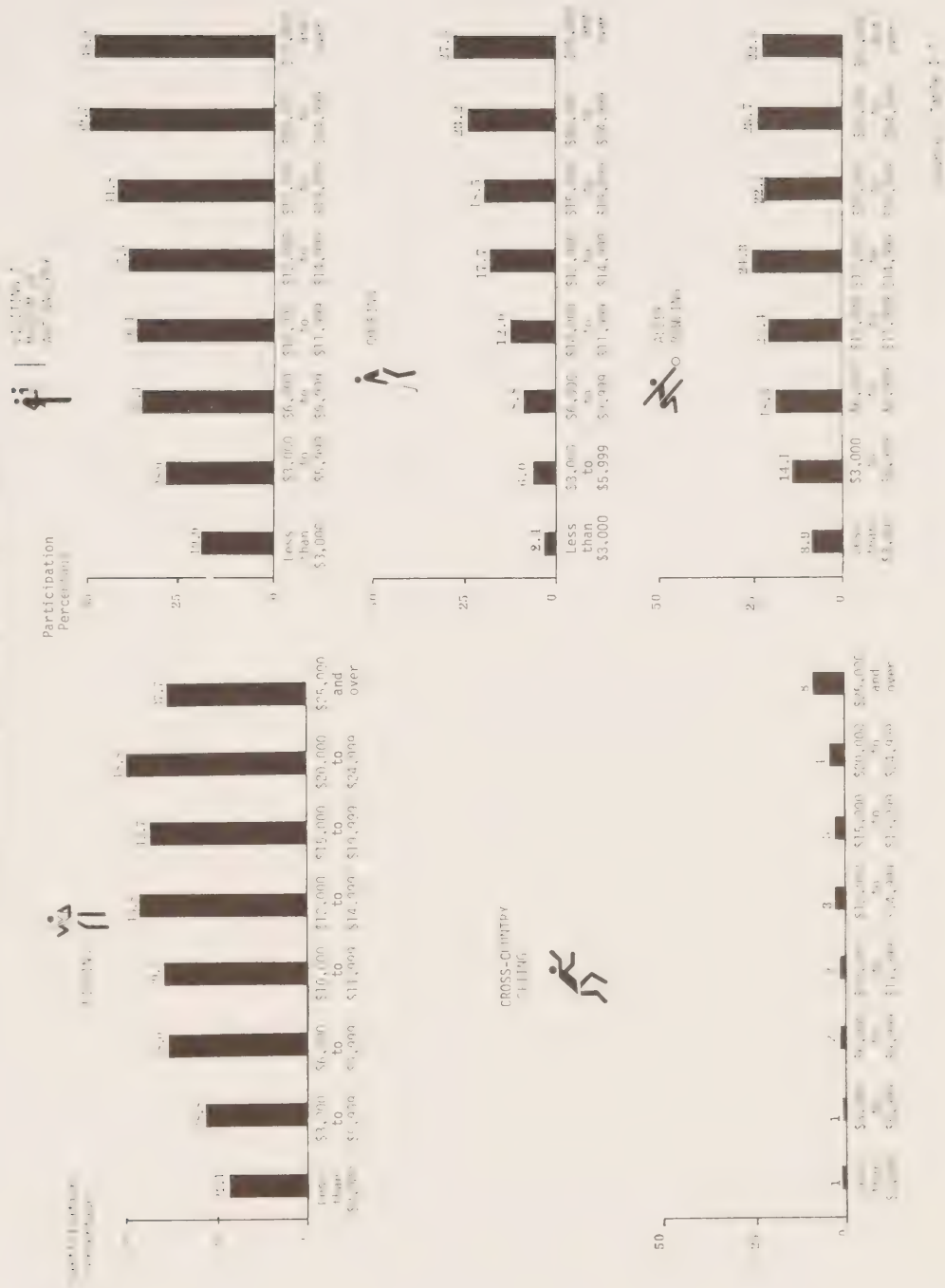
- Population estimate less than 10,000

TABLE 1-7 (continued)

Activity		Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown	Range
Horseback Riding	c	2.6	9.1	8.4	9.0	11.4	11.3	13.4	14.6	12.0	
	n	-	46	82	70	104	86	56	45	151	
	r	0.9	7.2	12.6	10.8	16.0	13.3	8.7	7.0	23.4	
Ice Hockey	c	2.4	7.2	12.6	12.5	15.5	15.2	15.4	14.3	12.3	13.1
	n	-	37	124	97	141	116	64	44	165	
	r	0.7	4.6	15.6	12.2	17.8	14.6	8.1	5.6	20.3	
Alley Bowling	c	8.9	14.1	18.5	20.4	24.3	22.1	23.7	22.5	15.3	15.4
	n	20	72	181	158	222	168	99	70	193	
	r	1.7	6.1	15.3	13.3	18.8	14.2	8.4	5.9	16.3	
Percentage of Sample in Income Categories		3.6	8.3	15.9	12.6	14.8	12.4	6.8	5.1	20.5	

- Population estimate less than 10,000

Figure 6  
PERCENTAGE OF ONTARIO POPULATION PARTICIPATING IN SELECTED  
RECREATION ACTIVITIES BY ANNUAL INCOME



Those activities done proportionally more often by individuals in low income households than by the average person may be determined by looking for activities with a relatively high percentage of their distribution of participants in the household income categories of under \$6,000. Such activities are fishing, visiting a developed historic site or display, visiting a museum or art gallery, horseback riding and alley bowling.

## 6. COMMUNITY SIZE

The effect of community size on participation rates varies widely among the different activities. Of the 15 in Table I-8, the one activity with the highest range of participation across the categories of community size is recreational snowmobiling. The activity with the lowest range is cross-country skiing.

An idea of the magnitude of the range in participation rates may be obtained by examining ratios of range to provincial participation rates (i.e., by controlling for differences in participation rates among the different activities). These ratios are highest for cross-country skiing, recreational snowmobiling and tennis indicating that the participation rates in these activities vary the most across community sizes when compared to the provincial participation rates. The ratios also show that the activities varying the least across community sizes when compared to their overall participation rates are swimming and recreational bicycling.

For a holistic view of participation rates in communities of different sizes, community sizes may be thought of in terms of rural, small urban and large urban areas. For this, rural areas are defined as less than 5,000 population, small urban as 5,000 to 99,999 and large urban as 100,000 and larger.



TABLE I-8 (continued)

Activity		Less Than 5,000	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and over	Range
Recreational Snowmobiling	c	<u>32.2</u>	<u>26.5</u>	<u>24.8</u>	<u>19.8</u>	<u>20.9</u>	<u>10.3</u>	<u>7.0</u>	<u>25.2</u>
	n	492	69	78	51	170	128	120	
	r	44.4	6.2	7.0	4.6	15.3	11.6	10.9	
Hiking	c	<u>24.9</u>	<u>20.7</u>	<u>26.3</u>	<u>24.6</u>	<u>27.7</u>	<u>25.1</u>	<u>20.0</u>	<u>7.7</u>
	n	381	54	82	63	225	313	344	
	r	26.1	3.7	5.6	4.3	15.4	21.4	23.5	
Visiting a Developed Historic Site or Display	c	<u>33.8</u>	<u>33.7</u>	<u>36.0</u>	<u>31.7</u>	<u>35.8</u>	<u>41.5</u>	<u>36.2</u>	<u>9.8</u>
	n	517	88	112	81	291	517	622	
	r	23.2	4.0	5.0	3.6	13.1	23.2	27.9	
Visiting a Museum or Art Gallery	c	<u>29.9</u>	<u>28.8</u>	<u>36.4</u>	<u>35.8</u>	<u>34.0</u>	<u>40.6</u>	<u>45.3</u>	<u>16.5</u>
	n	458	75	113	92	277	506	780	
	r	19.9	3.3	4.9	4.0	12.0	22.0	33.9	
Camping	c	<u>32.3</u>	<u>34.2</u>	<u>37.0</u>	<u>30.3</u>	<u>31.8</u>	<u>29.9</u>	<u>22.7</u>	<u>14.3</u>
	n	486	89	115	77	257	371	386	
	r	27.3	5.0	6.5	4.3	14.4	20.8	21.7	
Golfing	c	<u>12.1</u>	<u>12.9</u>	<u>15.3</u>	<u>12.6</u>	<u>17.7</u>	<u>15.0</u>	<u>12.9</u>	<u>5.6</u>
	n	186	34	48	32	144	186	223	
	r	21.8	4.0	5.6	3.8	16.9	21.8	26.1	
Tennis	c	<u>8.3</u>	<u>5.9</u>	<u>10.6</u>	<u>9.3</u>	<u>13.7</u>	<u>14.6</u>	<u>16.8</u>	<u>10.9</u>
	n	127	15	33	24	111	183	290	
	r	16.2	1.9	4.2	3.1	14.2	23.4	37.0	
Horseback Riding	c	<u>12.2</u>	<u>8.9</u>	<u>10.9</u>	<u>11.8</u>	<u>11.2</u>	<u>10.7</u>	<u>8.6</u>	<u>3.6</u>
	n	187	23	34	30	91	134	148	
	r	28.9	3.6	5.3	4.7	14.1	20.6	22.8	

TABLE 1-2 (continued)

Activity	Less Than 5,000		5,000 to 9,999		10,000 to 24,999		25,000 to 49,999		50,000 to 99,999		100,000 to 499,999		500,000 and over		Range
	c	n	c	n	c	n	c	n	c	n	c	n	c	n	
Ice Hockey	14.8	227	15.7	41	17.0	53	13.9	36	13.2	108	11.7	146	10.6	183	6.4
	28.6		5.1		6.7		4.5		13.6		18.4		23.1		
Alley Bowling	18.8	280	20.6	54	20.9	65	24.3	62	25.1	204	19.0	237	16.3	281	8.8
	23.7		4.5		5.5		5.3		17.3		20.0		23.7		
Percentage of Sample by Community Size	24.9		4.2		5.1		4.2		13.2		20.3		28.0		

FIGURE I-7

PERCENTAGE OF ONTARIO POPULATION PARTICIPATING  
IN SELECTED RECREATIONAL ACTIVITIES  
BY COMMUNITY SIZE



FIGURE I-7 (continued)

Participation  
Percentage

20



TENNIS

10

0

Less  
than  
5,000

5,000  
to  
9,999

10,000  
to  
24,999

25,000  
to  
49,999

50,000  
to  
99,999

100,000  
to  
499,999

500,000  
and  
over

8.3

5.9

10.6

9.3

13.7

14.6

16.8

20



HORSEBACK  
RIDING

10

0

Less  
than  
5,000

5,000  
to  
9,999

10,000  
to  
24,999

25,000  
to  
49,999

50,000  
to  
99,999

100,000  
to  
499,999

500,000  
and  
over

12.2

8.9

10.9

11.8

11.2

10.7

8.6

20



ICE  
HOCKEY

10

0

Less  
than  
5,000

5,000  
to  
9,999

10,000  
to  
24,999

25,000  
to  
49,999

50,000  
to  
99,999

100,000  
to  
499,999

500,000  
and  
over

14.8

15.7

17.0

13.9

13.2

11.7

10.6

Source: Table I-8

The activities (of the 15 in Table I-8) participated in at a rate above the provincial average in each of these community sizes are:

<u>Rural</u>	<u>Small Urban</u>	<u>Large Urban</u>
Motor Boating	Motor Boating	
Fishing	Fishing	
Recreational	Recreational	
Snowmobiling	Snowmobiling	
Hiking	Hiking	
Camping	Camping	Camping
Horseback Riding	Horseback Riding	
Ice Hockey	Ice Hockey	
	Recreational	Recreational
	Bicycling	Bicycling
	Golfing	Golfing
	Alley Bowling	
	Swimming	Swimming
		Cross-country
		Skiing
		Visiting a Historic Site or Display
		Visiting a Museum or Art Gallery
		Tennis

The largest number of activities with above-average participation rates occurs in the small urban communities. Many of these activities have above-average participation rates in rural areas. The above chart is arranged with one line per activity to make such relationships clear. Those activities with above-average participation rates by residents of rural areas are mainly extensive outdoor activities (e.g., hiking) which require few special facilities. In contrast those activities having an above-average participation rate by individuals in large urban areas involve aesthetic appreciation (e.g., visiting a museum or art gallery) and specially built facilities (e.g., tennis).

## 7. NORTHERN, SOUTHERN AND ALL OF ONTARIO

Recreational activities in which two per cent or more of Ontario's

residents participate are listed in Table I-9. The order of activities in Table I-9 is highest to lowest participation rates for all of Ontario.

Activities in which more than half of Ontario's residents participate are swimming; recreational driving; picnicking; attending an annually scheduled fair, exhibition, sportsman show or festival; recreational walking; and attending a sporting event as a spectator.

Participation rates in recreational activities differ for residents of Southern and Northern Ontario. Those activities having a difference in participation rate between the north and the south of greater than 20 per cent are fishing, motor boating, recreational snowmobiling and small game hunting. For all of these outdoor activities which take place in a natural environment, the participation rate is greater in Northern Ontario.

Activities having less than a two per cent difference in participation rates between Southern and Northern Ontario are: going on a guided nature tour; skin or scuba diving; sailing; track and field; tennis; attending an annually scheduled fair, exhibition, sportsman show or festival; downhill skiing; football (Canadian); soccer; roller skating; ice skating; viewing or photographing birds, animals or fish in their natural surroundings; viewing, photographing or collecting plants in their natural surroundings; strength sports; tobogganing or sledding; horseback riding; and cross-country skiing.

In general, participation rates are higher in Northern than in Southern Ontario. This is shown by 45 of the 54 activities listed in Table I-9. Many of the activities that are more popular in the south involve either special facilities (e.g., tennis and golf) or

cultural facilities (e.g., attending a live theatre or concert performance, visiting a museum or art gallery and visiting a developed historic site or display.

TABLE I-9  
INCIDENCE OF PARTICIPATION IN THE PAST 12 MONTHS  
IN 54 RECREATIONAL ACTIVITIES  
BY RESIDENTS OF SOUTHERN, NORTHERN AND ALL OF ONTARIO

	Southern Ontario		Northern Ontario		All of Ontario	
	Population Estimate <sup>1</sup> (000's)	Per Cent	Population Estimate (000's)	Per Cent	Population Estimate (000's)	Per Cent
Swimming*	3,685	66.1	385	68.6	4,069	66.4
Recreational Driving	3,566	64.1	402	71.3	3,968	64.8
Picnicking	3,316	60.8	361	64.1	3,677	60.9
Attending an Annually Scheduled Fair, Exhibition, Sportsman Show, Festival	3,190	58.7	326	57.7	3,516	58.2
Recreational Walking	3,060	54.8	330	58.5	3,389	55.7
Attending a Sporting Event as a Spectator	2,877	51.6	346	61.4	3,223	52.5
Visiting a Private Cottage, Chalet, Hobby Farm	2,510	45.1	344	61.7	2,854	46.7
Attending a Live Theatre or Concert Performance	2,368	43.4	227	40.2	2,595	41.8
Fishing*	2,002	36.1	314	56.1	2,316	37.8
Visiting a Museum or Art Gallery	2,130	39.1	171	30.2	2,300	37.2
Visiting a Developed Historic Site or Display	2,046	36.7	183	32.4	2,229	36.1
Visiting a Zoo or Botanical Garden	1,977	35.5	185	32.8	2,162	35.1
Motor Boating*	1,731	31.1	293	51.1	2,024	32.0
Ice Skating	1,810	32.4	184	32.5	1,999	32.5
Recreational Bicycling*	1,719	31.5	201	35.6	1,960	31.9
Visiting Nature Displays or Exhibits	1,678	30.1	206	36.6	1,885	30.7
Camping*	1,543	27.9	238	41.0	1,781	29.3
Hiking*	1,270	23.8	193	34.3	1,463	24.8
Tobogganing or Sledding	1,226	22.0	133	23.5	1,359	22.1
Alley Bowling*	1,060	19.0	123	21.8	1,183	19.3
Baseball or Softball	1,029	18.5	137	24.2	1,166	19.0
Recreational Snowmobiling*	977	15.6	238	41.4	1,108	18.0
Canoeing	974	15.1	162	28.8	1,005	16.4
Golfing*	971	14.1	66	11.7	852	13.9
Viewing or Photographing Birds, Animals or Fish in Their Natural Surroundings	971	13.7	83	14.8	848	13.8
Ice Hockey*	971	12.6	91	16.2	793	12.9
Tennis*	971	12.8	70	12.4	782	12.7
Badminton	971	12.2	83	14.7	764	12.4
Basketball	971	11.3	75	13.3	704	11.5
Viewing, Photographing or Collecting Plants in Their Natural Surroundings	971	10.9	68	12.0	676	11.0
Water-skiing	575	10.3	82	14.6	657	10.7
Horseback Riding*	595	10.7	52	9.2	647	10.5

\* Fifteen activities selected for detailed analysis

<sup>1</sup> Population estimate of number of participants (in 000's) obtained from weighted responses

TABLE I-9 (continued)

	<u>Southern Ontario</u>		<u>Northern Ontario</u>		<u>All of Ontario</u>	
	<u>Population Estimate<sup>1</sup> (000's)</u>	<u>Per Cent</u>	<u>Population Estimate (000's)</u>	<u>Per Cent</u>	<u>Population Estimate (000's)</u>	<u>Per Cent</u>
Football (Canadian)	577	10.4	62	11.0	639	10.4
Other Boating (Rowboating, Kayaking, etc.)	556	10.0	78	13.8	634	10.3
Volleyball	548	9.8	71	12.6	619	10.1
Small Game Hunting	402	7.2	161	28.5	563	9.2
Viewing, Photographing or Collecting Rocks in Their Natural Surroundings	485	8.7	70	12.4	555	9.0
Soccer	466	8.4	52	9.3	518	8.4
Downhill Skiing	445	8.0	48	8.5	493	8.0
Going on a Guided Nature Tour	353	6.3	35	6.2	388	6.3
Sailing	349	6.3	37	6.5	385	6.3
Recreational Motorcycling	277	5.0	50	8.8	326	5.3
Roller Skating	287	5.2	25	4.3	312	5.1
Curling	215	3.9	84	14.9	299	4.9
Gymnastics	246	4.4	40	7.0	286	4.7
Recreational Trail-biking	231	4.1	42	7.4	273	4.4
Snowshoeing	184	3.3	84	14.9	268	4.4
Big Game Hunting	162	2.9	97	17.2	259	4.2
Track and Field	207	3.7	23	4.0	230	3.7
Waterfowl Hunting	177	3.2	49	8.7	226	3.7
Cross-country Skiing*	158	2.8	26	4.5	184	3.0
Skin or Scuba Diving	160	2.9	17	3.0	176	2.9
Handball	145	2.6	29	5.2	174	2.8
Strength Sports	130	2.3	21	3.7	151	2.5

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\* Fifteen activities selected for detailed analysis

<sup>1</sup> Population estimate of number of participants (in 000's) obtained from weighted responses

## CHAPTER II

### FREQUENCY OF PARTICIPATION FOR SELECTED ACTIVITIES

#### 1. INTRODUCTION

This chapter describes the relationship between the standard demographic characteristics (introduced in the previous chapter) and two statistics that are important to the analysis of recreational patterns: occasions per capita and occasions per participant.

An occasion is defined as one participant doing one activity for at least fifteen minutes during one day (see Appendix B). Average annual occasions per capita is defined as the total annual number of occasions of participation in an activity done by the sampled population divided by the whole sampled population. Average annual occasions per participant is the total annual number of occasions of participation in an activity divided by the number of participants who did the activity at least once in the past 12 months.

These two statistics are closely related. Occasions per capita is the rate (incidence) of participation in an activity (Chapter I) multiplied by the average number of occasions per participant per year. Therefore, annual occasions per capita is the average frequency of participation in an activity per year by each member of the sampled population. This is one of the most useful estimates for purposes of recreational planning, as it combines both the incidence and frequency of participation. Average annual occasions per capita can be multiplied by a subset of the population to give an estimate of the total annual occasions of participation in an activity for that subset.

In this chapter, as in the previous one, the same 15 activities were selected for discussion in the text, while the data for the remaining activities are found in Appendix A.

In order to reduce the time required for an interview, some of the 73 recreational activities were grouped. Questions about the frequency of participation were restricted to the activity group. For example, respondents were asked about the number of days on which they participated in any one of the four types of boating. Therefore, in this chapter (unlike the first) the estimates of occasions are given for the following groups, as well as the remainder of the 15 activities:

- (a) Boating includes motor boating, sailing, canoeing and other boating (rowboating, kayaking, etc.);
- (b) Cycling includes bicycling, motorcycling and trail-biking;
- (c) Snowshoeing and Cross-country Skiing are combined.

In Appendix A, estimates of occasions are given for the following groups of activities, as well as the remaining individual activities:

- (a) Organized Nature Appreciation includes visiting a zoo or botanical garden, visiting nature displays or exhibits and going on a guided nature tour;
- (b) Personal Nature Appreciation includes viewing or photographing birds, animals or fish in their natural surroundings; viewing, photographing or collecting plants in their natural surroundings; viewing, photographing or collecting rocks in their natural surroundings;
- (c) Hunting includes big game, small game and waterfowl hunting.

Table II-1 ranks 38 activities from the highest number of average annual occasions per capita in Ontario to the lowest. The occasions per capita rapidly decline after the first four activities. It is after this first group of activities which many people do frequently (recreational walking, recreational driving, cycling and swimming),

TABLE II-1

RANKING OF ACTIVITIES BY AVERAGE ANNUAL OCCASIONS  
PER CAPITA AND PER PARTICIPANT FOR THE ONTARIO POPULATION

<u>Activity</u>	<u>Per Capita</u>		<u>Per Participant</u>	
	<u>Rank</u>	<u>Occasions</u>	<u>Rank</u>	<u>Occasions</u>
Recreational Walking	1	38.0	1	68.8
Swimming	2	20.8	4	31.1
Recreational Driving	3	18.3	5	28.1
Recreational Cycling	4	17.0	3	49.5
Visiting a Private Cottage, Chalet, Hobby Farm	5	9.7	10	19.7
Attending a Sporting Event as a Spectator	6	9.3	12	17.7
Recreational Boating	7	5.8	22	13.6
Fishing	8	4.7	24	12.4
Ice Skating	9	4.0	26	12.2
Picnicking	10	3.9	32	6.4
Alley Bowling	11	3.2	14	16.7
Camping	12	3.1	28	10.1
Hiking	13	3.0	23	12.7
Baseball or Softball	14	2.8	16	14.8
Gymnastics	14	2.8	2	59.9
Personal Nature Appreciation	14	2.8	24	12.4
Ice Hockey	17	2.7	8	20.7
Recreational Snowmobiling	18	2.5	20	13.9
Badminton	18	2.5	9	19.8
Basketball	18	2.5	7	21.3
Attending a Live Theatre or Concert Performance	21	2.4	34	5.7

TABLE II-1 (continued)

<u>Activity</u>	<u>Per Capita</u>		<u>Per Participant</u>	
	<u>Rank</u>	<u>Occasions</u>	<u>Rank</u>	<u>Occasions</u>
Tennis	22	2.2	13	17.6
Golfing	22	2.2	15	15.5
Organized Nature Appreciation	24	2.1	35	4.2
Volleyball	25	2.0	11	19.3
Visiting a Museum or Art Gallery	26	1.6	35	4.2
Horseback Riding	27	1.5	17	14.7
Attending an Annually Sch- eduled Fair, Exhibition, Sports- man Show, Festival	27	1.5	38	2.7
Football (Canadian)	27	1.5	18	14.6
Visiting a Developed Historic Site or Display	27	1.5	37	4.1
Tobogganing or Sledding	27	1.5	31	6.6
Soccer	32	1.2	19	14.4
Hunting	32	1.2	27	11.3
Water-skiing	34	1.0	29	9.3
Track and Field	35	0.9	6	24.5
Curling	36	0.7	21	13.8
Downhill Skiing	37	0.6	30	8.1
Snowshoeing or Cross-country Skiing	38	0.4	33	5.8

that the differences in rank between occasions per capita and occasions per participant become pronounced. A second loosely-knit group of activities (such as boating, fishing, ice skating and picnicking) contains activities that many people engage in relatively infrequently. This accounts for the differences in rank between per capita and per participant (i.e., those activities ranking seven through ten per capita are ranked 22, 24, 26 and 32 respectively per participant). A third group includes activities such as gymnastics, ice hockey, badminton, basketball, volleyball and track and field, which are done by only a few people (low rank on occasions per capita), but are done very frequently (high rank on occasions per participant). A fourth group consists of those activities low on both rankings, namely activities done infrequently by relatively few people, such as tobogganing or sledding, hunting, water-skiing, downhill skiing and snowshoeing or cross-country skiing.

## 2. AGE AND SEX

Table II-2 shows the two statistics: occasions per capita (c) and occasions per participant (p) for each sex in five age groups, as well as the averages for each sex regardless of age. Since the data have been weighted to represent the sampled population of Ontario, the term residents is used in lieu of respondents. Where there are fewer than 25,000 estimated participants in an age-sex group (e.g., males between 50 and 64 years old who snowshoe or cross-country ski), no estimates of occasions are given since reliability would be low.

The occasions per capita decrease through the age categories in 12 of the 15 activities in Table II-2. Anomalies to this pattern

TABLE II-2  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT BY AGE AND SEX CATEGORIES  
OF THE ONTARIO POPULATION IN SELECTED RECREATIONAL ACTIVITIES

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average
Swimming	Male	c	<u>38.4</u>	23.8	17.0	11.6	4.0	21.4
		p	<u>41.2</u>	28.7	24.7	26.3	19.5	30.7
	Female	c	<u>44.2</u>	20.3	16.7	10.3	0.8	20.1
		p	<u>48.1</u>	26.3	26.5	23.0	6.3	31.6
Recreational Boating	Male	c	<u>11.2</u>	8.0	6.8	3.5	5.1	7.4
		p	18.3	14.0	16.3	10.4	<u>19.8</u>	15.4
	Female	c	<u>8.0</u>	3.9	4.4	3.2	0.8	4.3
		p	<u>15.0</u>	8.6	11.5	11.4	9.2	11.4
Fishing	Male	c	<u>11.4</u>	8.4	6.2	4.1	5.2	7.5
		p	17.7	15.2	12.3	10.3	<u>18.5</u>	14.7
	Female	c	<u>2.6</u>	2.2	2.2	1.9	0.6	2.1
		p	7.1	7.2	8.9	<u>10.9</u>	10.1	8.1
Snowshoeing or Cross-country Skiing	Male	c	<u>0.6</u>	0.5	0.4	-	-	0.5
		p	4.2	5.0	<u>5.5</u>	-	-	5.3
	Female	c	<u>0.5</u>	0.3	<u>0.5</u>	-	-	0.3
		p	4.8	5.6	<u>11.9</u>	-	-	6.6
Recreational Cycling	Male	c	<u>66.6</u>	12.8	9.6	2.4	-	20.4
		p	<u>78.3</u>	31.7	45.8	25.8	-	55.7
	Female	c	<u>46.7</u>	9.8	7.4	1.7	-	13.9
		p	<u>60.1</u>	27.1	30.9	21.9	-	42.7
Recreational Snowmobiling	Male	c	<u>6.8</u>	3.3	3.1	1.0	-	3.3
		p	<u>19.6</u>	13.8	16.4	10.8	-	16.1
	Female	c	<u>4.6</u>	1.6	1.4	0.4	-	1.7
		p	<u>15.0</u>	8.2	10.9	6.4	-	11.1
Hiking	Male	c	<u>6.2</u>	2.8	2.6	1.7	4.5	3.4
		p	13.3	10.5	12.6	12.3	<u>44.9</u>	13.3
	Female	c	<u>5.3</u>	2.3	2.5	2.0	-	2.7
		p	12.0	9.6	13.2	<u>16.9</u>	-	12.1
Visiting a Developed Historic Site or Display	Male	c	1.1	<u>1.5</u>	1.4	<u>1.5</u>	0.6	1.3
		p	2.5	3.8	3.8	<u>4.9</u>	2.8	3.6
	Female	c	<u>1.9</u>	1.7	<u>1.9</u>	<u>1.6</u>	0.8	1.7
		p	4.2	4.4	<u>5.1</u>	5.0	4.5	4.6
Visiting a Museum or Art Gallery	Male	c	<u>2.0</u>	1.7	1.3	1.1	0.8	1.5
		p	4.2	<u>4.3</u>	3.7	3.8	3.6	4.0
	Female	c	1.9	<u>2.2</u>	1.6	1.1	1.1	1.7
		p	3.9	<u>5.2</u>	4.2	3.5	5.0	4.4

Note:

1. c = occasions per capita  
p = occasions per participant

2. Highest estimate for each sex category and each activity is underlined

- No estimate for number of occasions is given where the reliability is low

TABLE 11-2 (continued)

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average
Camping	Male	c	<u>5.6</u>	3.7	3.6	2.1	-	3.5
		p	10.2	8.9	<u>12.3</u>	10.5	-	10.4
	Female	c	<u>4.8</u>	2.9	3.0	1.5	-	2.8
		p	9.7	8.3	13.1	11.5	-	10.0
Golfing	Male	c	<u>5.1</u>	3.7	3.7	4.0	-	3.8
		p	19.5	14.0	18.2	21.8	-	17.6
	Female	c	0.1	0.3	0.6	<u>1.3</u>	-	0.5
		p	2.1	3.6	8.6	<u>22.8</u>	-	8.5
Tennis	Male	c	<u>7.5</u>	2.8	1.6	-	-	2.9
		p	<u>23.4</u>	14.7	23.0	-	-	19.7
	Female	c	<u>4.0</u>	2.0	1.0	-	-	1.6
		p	14.9	14.6	<u>17.6</u>	-	-	14.8
Horseback Riding	Male	c	<u>3.4</u>	1.0	0.2	-	-	1.1
		p	<u>14.1</u>	7.8	5.2	-	-	10.9
	Female	c	<u>6.7</u>	1.8	0.2	-	-	1.9
		p	<u>20.2</u>	16.5	6.9	-	-	18.2
Ice Hockey	Male	c	16.1	4.7	1.4	-	-	5.1
		p	<u>28.9</u>	17.7	13.7	-	-	22.9
	Female	c	<u>1.0</u>	0.1	-	-	-	0.3
		p	<u>8.3</u>	4.9	-	-	-	8.1
Alley Bowling	Male	c	<u>5.1</u>	3.8	3.0	1.9	-	3.4
		p	17.3	14.8	<u>20.2</u>	14.7	-	16.9
	Female	c	<u>4.1</u>	3.3	3.3	2.6	-	3.1
		p	15.3	14.3	19.1	21.0	-	16.6

- No estimate for number of occasions is given where the reliability is low

are snowshoeing or cross-country skiing, visiting a developed historic site or display and visiting a museum or art gallery, in which the occasions per capita are fairly stable through the various age categories (see Figure II-3).

In many activities, the group aged 20 to 34 years participate on fewer occasions per participant than do younger (12 to 19) and next older (35 to 49) age groups. This is the case for boating, cycling, recreational snowmobiling, hiking, camping, tennis and alley bowling. The major exceptions to this general trend are visiting a developed historic site or display, visiting a museum or art gallery, horseback riding and ice hockey.

Males participate more frequently (average across age) than females on a per capita basis in all activities except visiting a developed historic site or display, visiting a museum or art gallery and horseback riding. On a per participant basis, females participate more frequently than males in swimming, snowshoeing or cross-country skiing, visiting a developed historic site or display, visiting a museum or art gallery and in horseback riding (see Figure II-1 and II-2).

Table II-3 gives the ten activities (from an assessment of all activities) that are ranked highest according to occasions per participant for both males and females in the five age categories.

Similarities between the activities ranked for the ten age-sex groups are emphasized by the fact that recreational walking, recreational driving and swimming are in all ten lists, visiting a private cottage, chalet, hobby farm is in nine lists and cycling is in eight lists. Furthermore, the first five activities are almost identical

TABLE II-3

TEN ACTIVITIES RANKED HIGHEST BY OCCASIONS PER PARTICIPANT  
IN AGE AND SEX CATEGORIES OF THE ONTARIO POPULATION

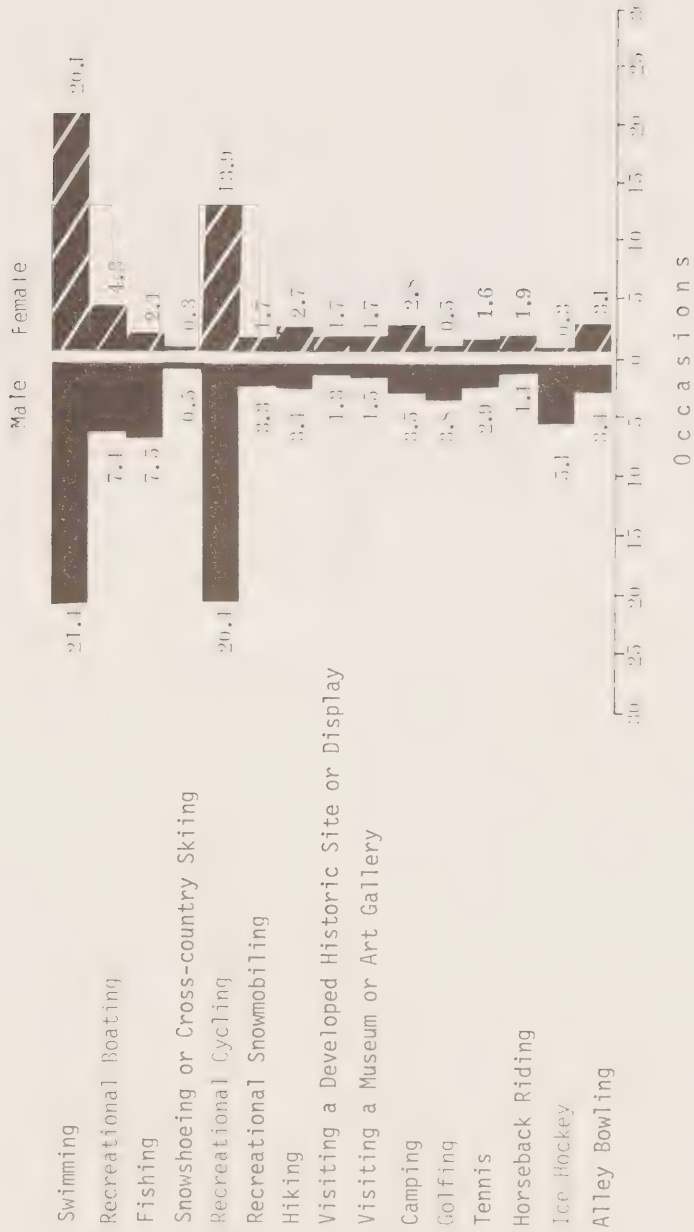
Rank	Age				
	12 to 19	20 to 34	35 to 49	50 to 64	65 and over
1	Recreational Cycling	Recreational Walking	Recreational Walking	Recreational Walking	Recreational Walking
2	Recreational Walking	Recreational Cycling	Recreational Cycling	Swimming	Hiking
3	Gymnastics	Recreational Driving	Swimming	Recreational Cycling	Personal Nature Appreciation
4	Swimming	Swimming	Tennis	Recreational Driving	Recreational Driving
5	Recreational Driving	Track and Field	Visiting a Private Cottage, Chalet, Hobby Farm	Golfing	Visiting a Private Cottage, Chalet, Hobby Farm
6	Ice Hockey	Curling	Attending a Sporting Ivent as a Spectator	Visiting a Private Cottage, Chalet, Hobby Farm	Recreational Boating
7	Track and Field	Ice Hockey	Recreational Driving	Curling	Swimming
8	Badminton	Attending a Sporting Event as a Spectator	Alley Bowling	Personal Nature Appreciation	Fishing
9	Basketball	Basketball	Badminton	Alley Bowling	Attending a Sporting Event as a Spectator
10	Attending a Sporting Ivent as a Spectator	Visiting a Private Cottage, Chalet, Hobby Farm	Golfing	hunting	Visiting a Museum or Art Gallery

TABLE II-3 (continued)

		Age				
Females		12 to 19	20 to 34	35 to 49	50 to 64	65 and over
Rank						
1	Recreational Walking	Gymnastics	Recreational Walking	Recreational Walking	Recreational Walking	Recreational Walking
2	Recreational Cycling	Recreational Walking	Recreational Cycling	Recreational Cycling	Recreational Driving	Recreational Driving
3	Swimming	Recreational Driving	Swimming	Swimming	Swimming	Personal Nature Appreciation
4	Gymnastics	Recreational Cycling	Recreational Driving	Recreational Driving	Golfing	Visiting a Private Cottage, Chalet, Hobby Farm
5	Recreational Driving	Swimming	Visiting a Private Cottage, Chalet, Hobby Farm	Recreational Cycling	Recreational Cycling	Fishing
6	Volleyball	Badminton	Alley Bowling	Alley Bowling	Alley Bowling	Recreational Boating
7	Visiting a Private Cottage, Chalet, Hobby Farm	Horseback Riding	Curling	Visiting a Private Cottage, Chalet, Hobby Farm	Visiting a Private Cottage, Chalet, Hobby Farm	Attending a Sporting Event as a Spectator
8	Track and Field	Tennis	Tennis	Tennis	Personal Nature Appreciation	Swimming
9	Badminton	Alley Bowling	Attending a Sporting Event as a Spectator	Hiking	Hiking	Attending a Live Theatre or Concert Performance
10	Basketball	Visiting a Private Cottage, Chalet, Hobby Farm	Hiking	Camping	Camping	Visiting a Museum or Art Gallery

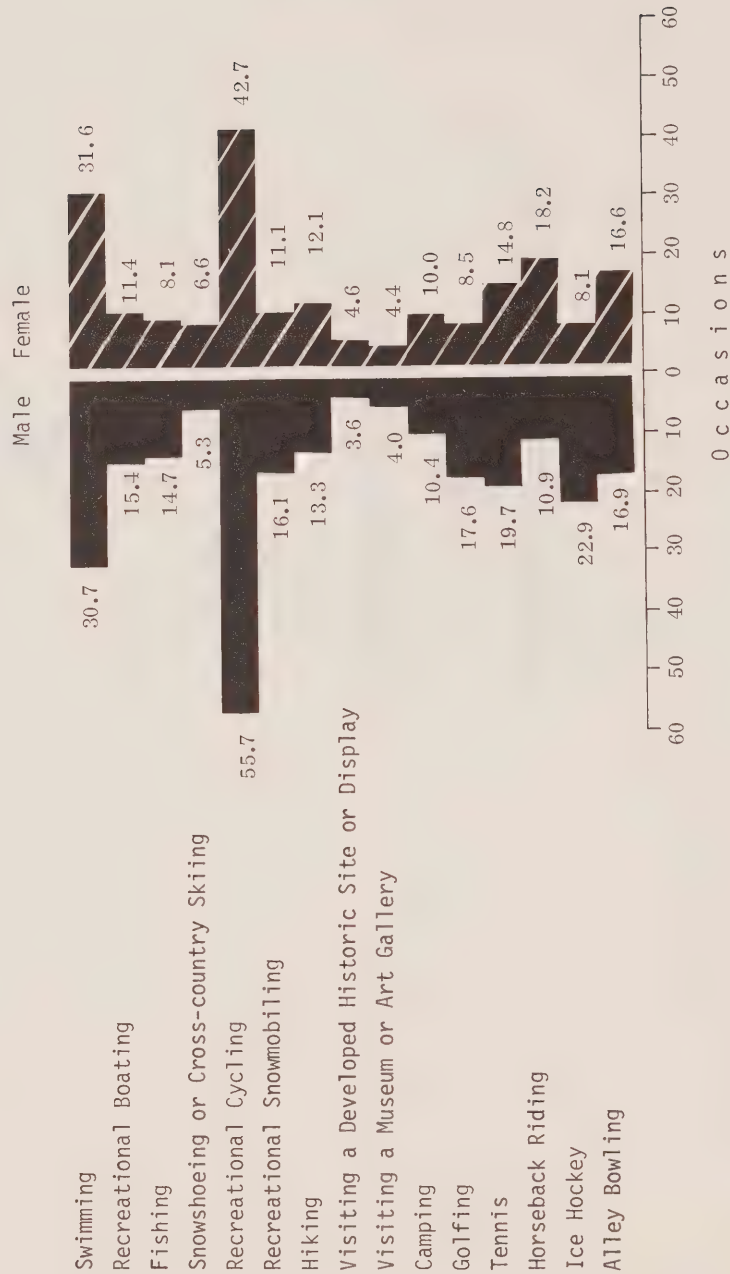
FIGURE II-1

AVERAGE ANNUAL OCCASIONS PER CAPITA, FOR MALE AND FEMALE RESIDENTS  
OF ONTARIO, IN SELECTED RECREATIONAL ACTIVITIES



Source: Table II-2

FIGURE II-2  
AVERAGE ANNUAL OCCASIONS PER PARTICIPANT, FOR MALE AND FEMALE RESIDENTS  
OF ONTARIO, IN SELECTED RECREATIONAL ACTIVITIES



Source: Table II-2

FIGURE II-3

AVERAGE ANNUAL OCCASIONS PER PARTICIPANT AND PER CAPITA  
FOR AGE AND SEX CATEGORIES OF THE ONTARIO POPULATION  
IN SELECTED RECREATIONAL ACTIVITIES

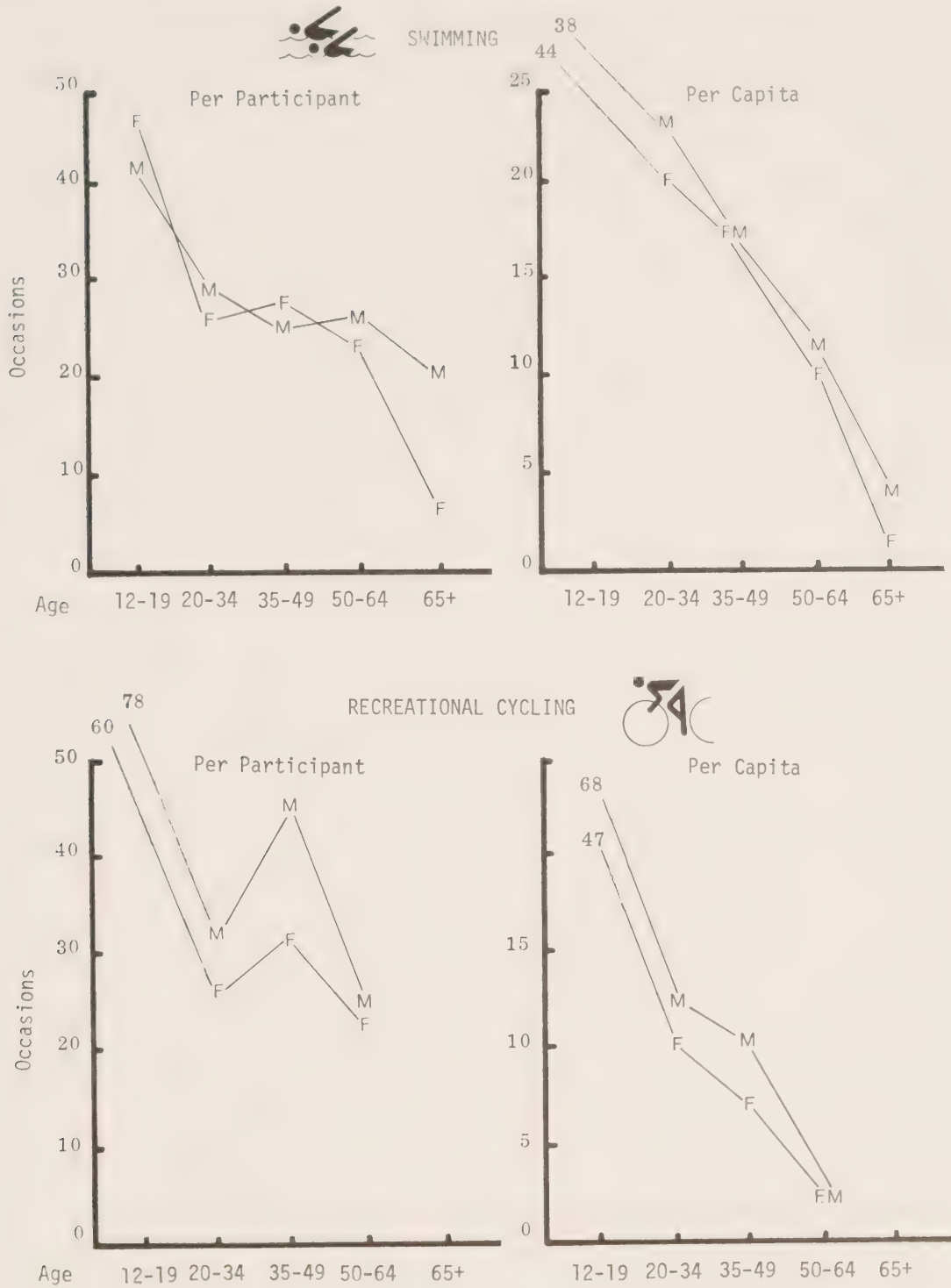


FIGURE II-3 (continued)

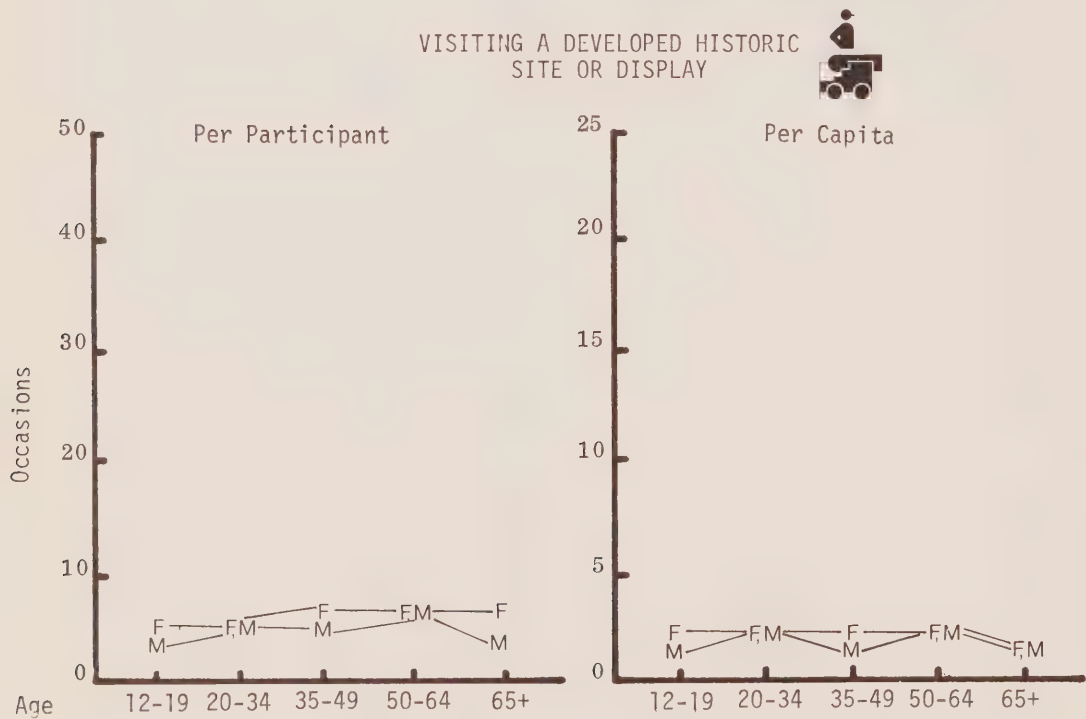
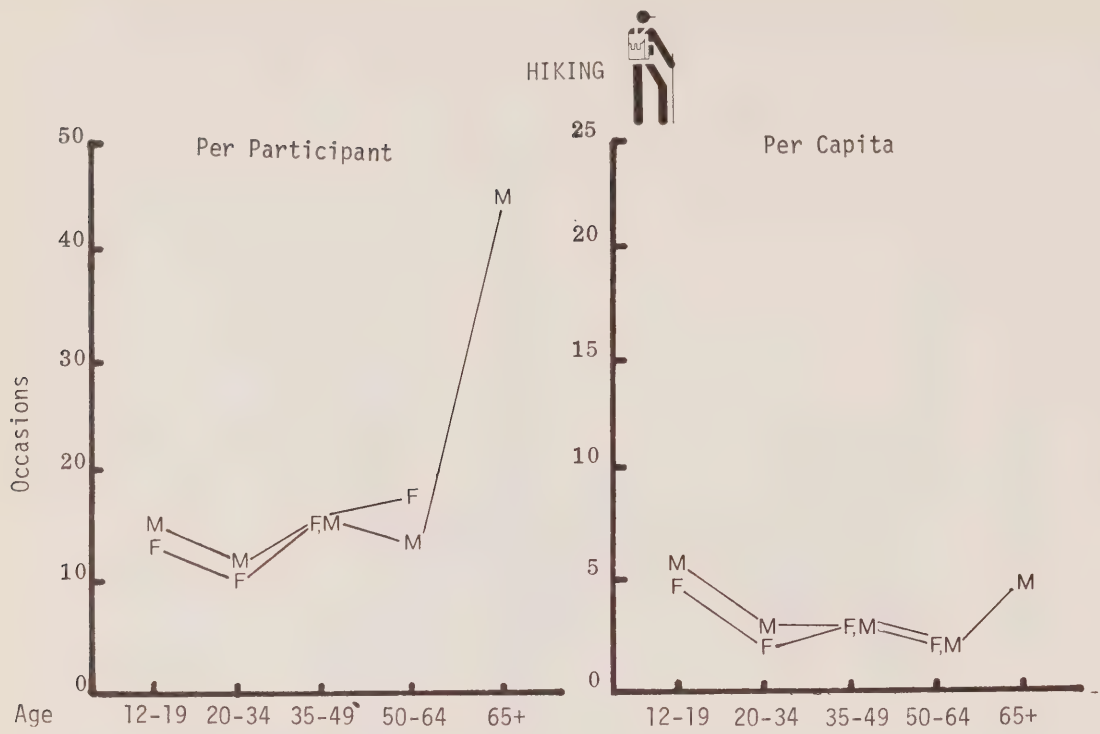
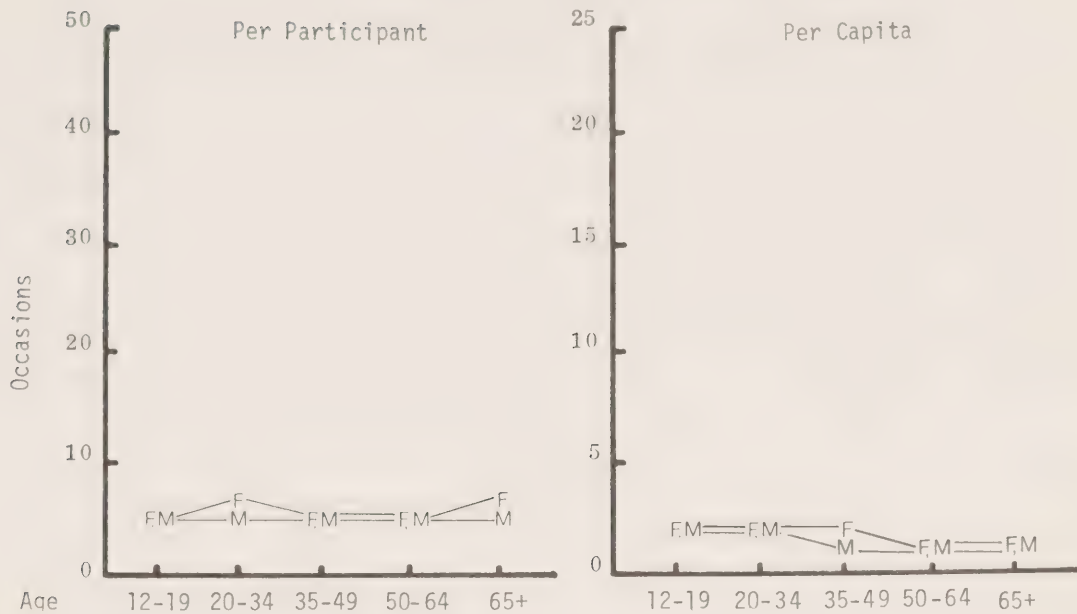


FIGURE II-3 (continued)

VISITING A MUSEUM OR ART GALLERY



GOLFING

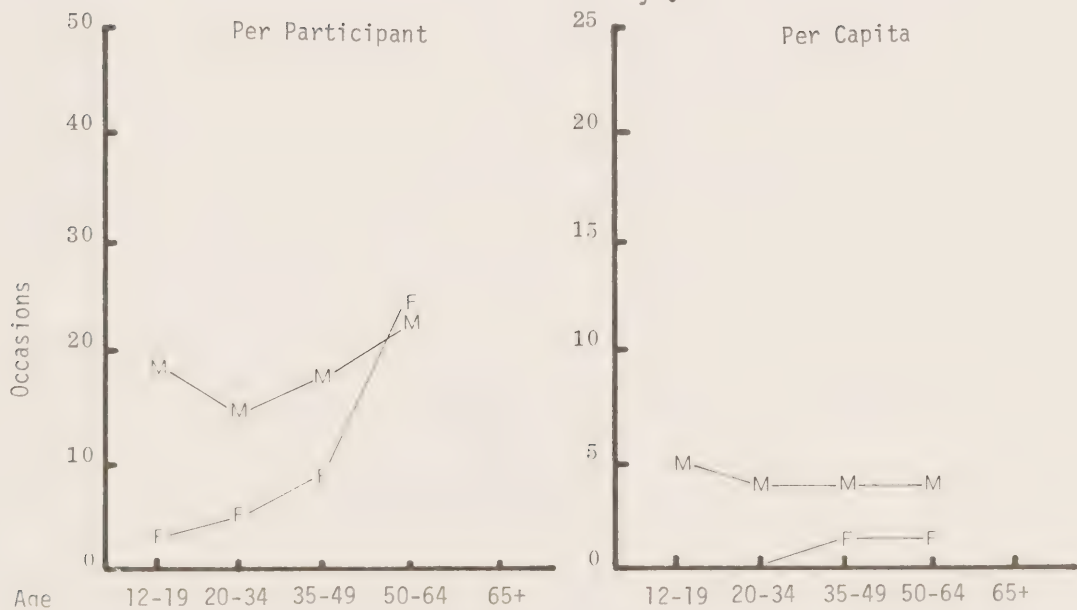
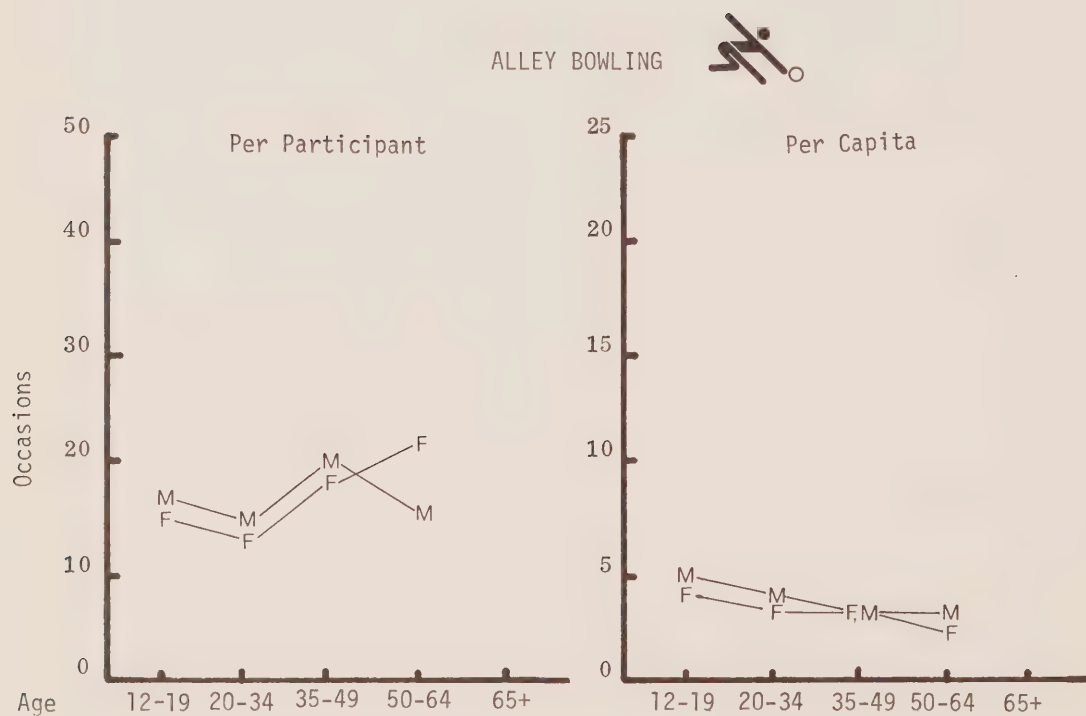
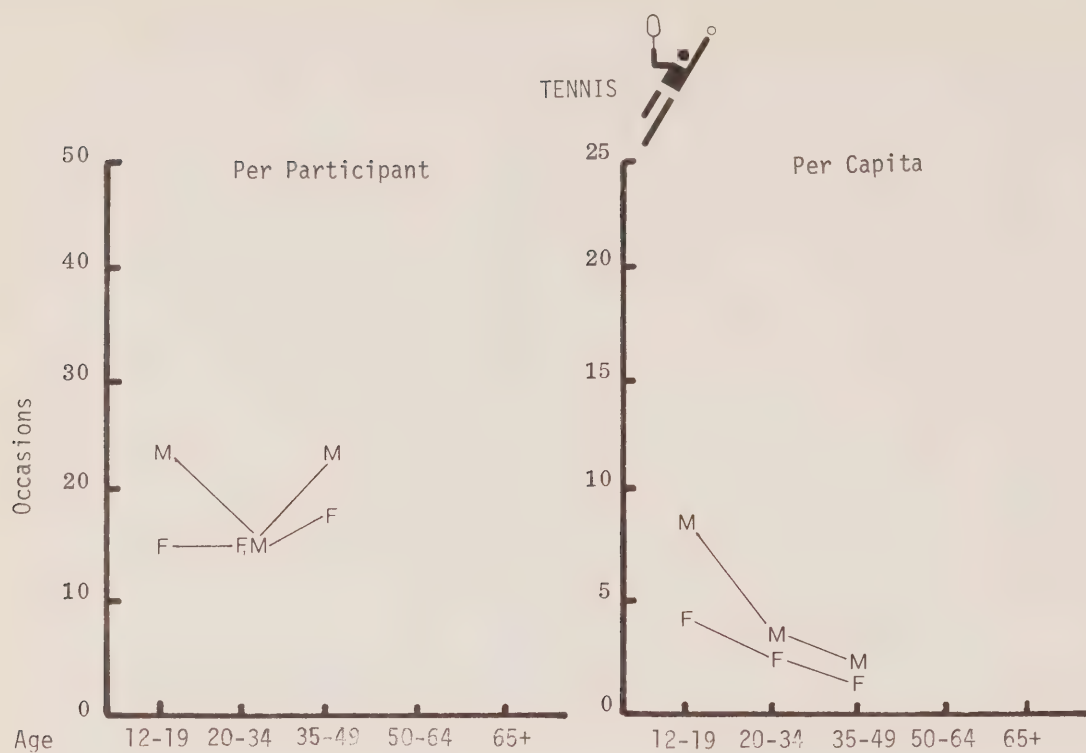


FIGURE II-3 (continued)



Source: Table II-2

in every list except for the age group 65 and over.

Differences between the activities that are done most frequently by participants can be seen by the fact that a total of 25 (out of a possible 38) activities are included in the ten lists. The largest difference between sexes of the same age group is for those residents 20 to 34 years of age where only five of the ten highest-ranked activities are the same for both sexes. The smallest differences in this regard are for the group aged 65 and over where nine of the ten activities are the same between sexes.

New activities emerge in the ten highest-ranked activities as age increases for two reasons. Some activities, such as boating, fishing and visiting a museum or art gallery, are fairly stable across age groups (see Table II-2) and appear in the ranking for the group aged 65 and over simply because more active sports such as badminton and cycling drop out of the list. Some activities such as hiking and personal nature appreciation are done with increased frequency by older people rather than by younger people.

### 3. EDUCATION OF RESIDENTS AND HEADS OF HOUSEHOLD

Table II-4 shows the average annual occasions per capita and per participant according to the level of education attained by residents for the 15 selected activities. Table II-5 shows the same statistics by the level of education attained by the heads of household for the same activities.

For some activities, the highest values (underlined) differ with respect to education level for resident versus heads of household. For example, the highest figure for occasions per participant in

TABLE II-4  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT  
BY EDUCATION LEVELS OF THE ONTARIO POPULATION  
IN SELECTED RECREATIONAL ACTIVITIES

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University
Swimming	c	17.3	21.4	19.2	22.6	<u>24.9</u>
	p	<u>34.4</u>	30.8	27.5	29.5	30.4
Recreational Boating	c	4.0	7.3	5.6	5.2	<u>8.0</u>
	p	12.9	<u>16.8</u>	12.4	10.1	14.2
Fishing	c	4.6	<u>6.2</u>	4.6	4.2	3.1
	p	13.4	<u>15.2</u>	11.8	10.5	8.0
Snowshoeing or Cross-country Skiing	c	0.2	0.4	0.3	0.4	<u>0.9</u>
	p	4.1	6.8	5.7	<u>7.2</u>	6.2
Recreational Cycling	c	<u>21.6</u>	20.1	12.6	8.3	14.1
	p	<u>71.1</u>	51.3	42.3	25.6	32.6
Recreational Snowmobiling	c	2.5	<u>3.9</u>	2.8	1.7	0.9
	p	15.9	15.3	<u>16.0</u>	9.8	6.9
Hiking	c	2.5	3.3	2.7	3.0	<u>4.3</u>
	p	12.1	<u>14.6</u>	11.9	12.7	12.4
Visiting a Developed Historic Site or Display	c	0.8	0.9	1.5	2.1	<u>3.3</u>
	p	3.1	2.7	3.9	4.6	<u>6.2</u>

Note:

1. c = occasions per capita  
p = occasions per participant
2. Highest estimate for each activity is underlined

TABLE II-4 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>
Visiting a Museum or Art Gallery	c	0.8	0.9	1.3	1.9	<u>4.9</u>
	p	2.8	2.8	3.4	4.2	<u>8.1</u>
Camping	c	2.7	<u>3.8</u>	3.2	2.8	2.5
	p	9.9	10.8	<u>10.9</u>	8.8	7.8
Golfing	c	0.9	2.1	2.4	<u>3.3</u>	3.1
	p	14.6	<u>16.6</u>	15.6	15.4	13.9
Tennis	c	1.3	1.9	2.0	2.5	<u>4.7</u>
	p	18.8	15.1	<u>19.7</u>	17.6	16.8
Horseback Riding	c	<u>2.0</u>	1.9	1.1	0.9	1.3
	p	<u>20.5</u>	13.5	11.6	13.0	12.1
Ice Hockey	c	2.6	<u>4.1</u>	1.6	2.9	1.8
	p	21.4	25.1	14.8	<u>26.3</u>	13.3
Alley Bowling	c	2.4	<u>4.5</u>	3.7	2.8	1.8
	p	17.8	<u>19.6</u>	16.8	13.5	10.3

FIGURE II-4

AVERAGE ANNUAL OCCASIONS PER PARTICIPANT AND PER CAPITA  
BY EDUCATION LEVELS OF THE ONTARIO POPULATION  
IN SELECTED RECREATIONAL ACTIVITIES

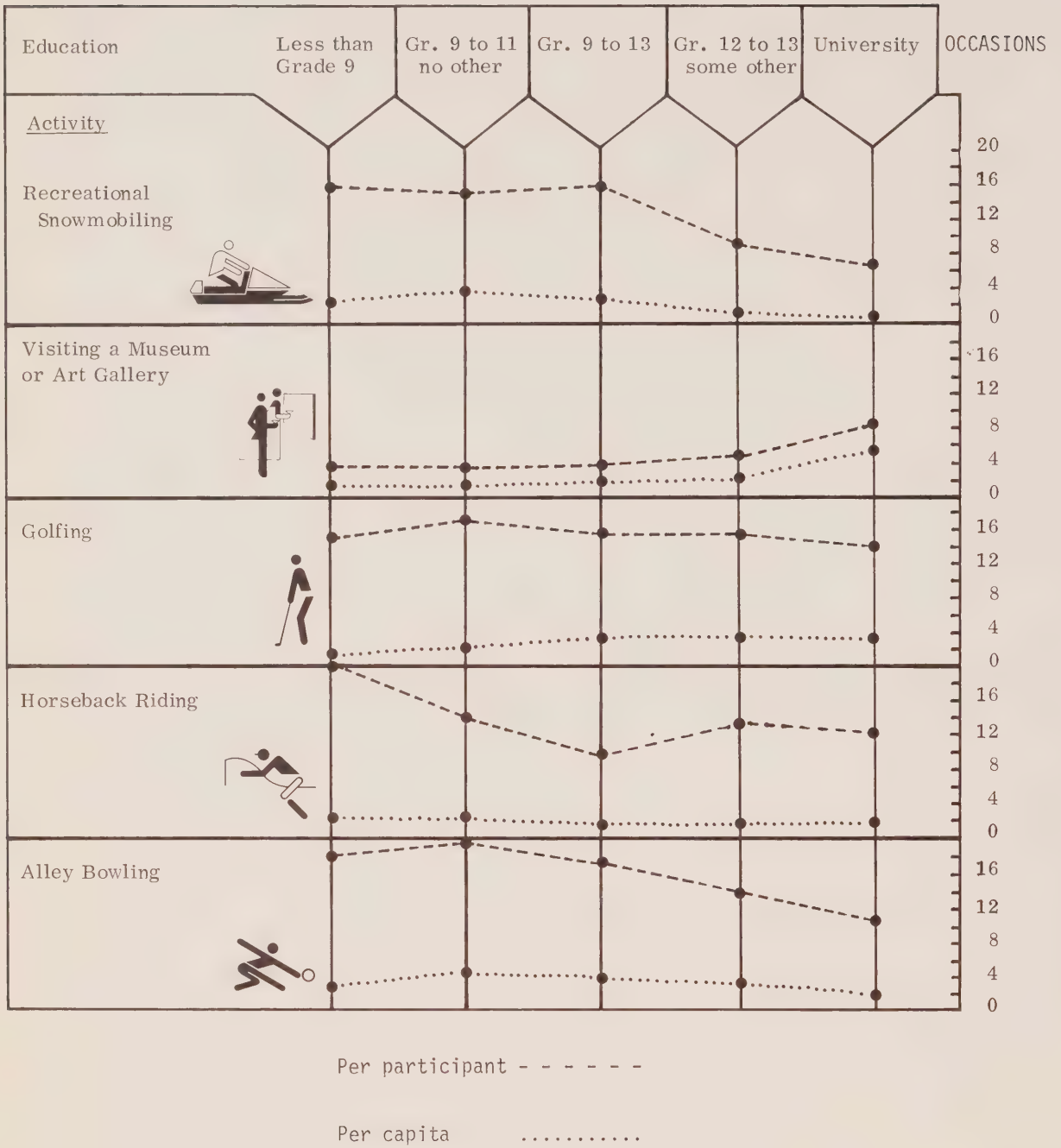


TABLE II-5  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT  
BY EDUCATION LEVELS OF THE HEADS OF HOUSEHOLD  
IN SELECTED RECREATIONAL ACTIVITIES

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University
Swimming	c	12.7	18.9	23.8	26.2	<u>29.0</u>
	p	25.1	28.9	32.7	33.4	<u>35.5</u>
Recreational Boating	c	2.9	6.8	7.2	5.9	<u>8.8</u>
	p	9.1	<u>16.0</u>	15.2	12.2	15.3
Fishing	c	4.3	<u>5.7</u>	5.3	4.3	3.9
	p	13.0	<u>13.8</u>	12.5	10.4	10.5
Snowshoeing or Cross-country Skiing	c	0.2	0.3	0.3	0.5	<u>0.8</u>
	p	5.4	6.5	5.6	<u>7.7</u>	5.1
Recreational Cycling	c	15.2	17.0	<u>18.6</u>	17.0	17.7
	p	<u>56.6</u>	50.5	51.4	48.8	39.4
Recreational Snowmobiling	c	<u>3.3</u>	2.6	2.5	2.7	1.1
	p	<u>18.1</u>	12.1	13.5	15.2	8.1
Hiking	c	2.0	2.4	3.4	<u>4.4</u>	4.3
	p	11.3	11.3	12.9	<u>16.3</u>	12.4
Visiting a Developed Historic Site or Display	c	0.8	0.9	1.5	2.1	<u>3.2</u>
	p	3.2	2.6	3.7	4.9	<u>5.8</u>

Note:

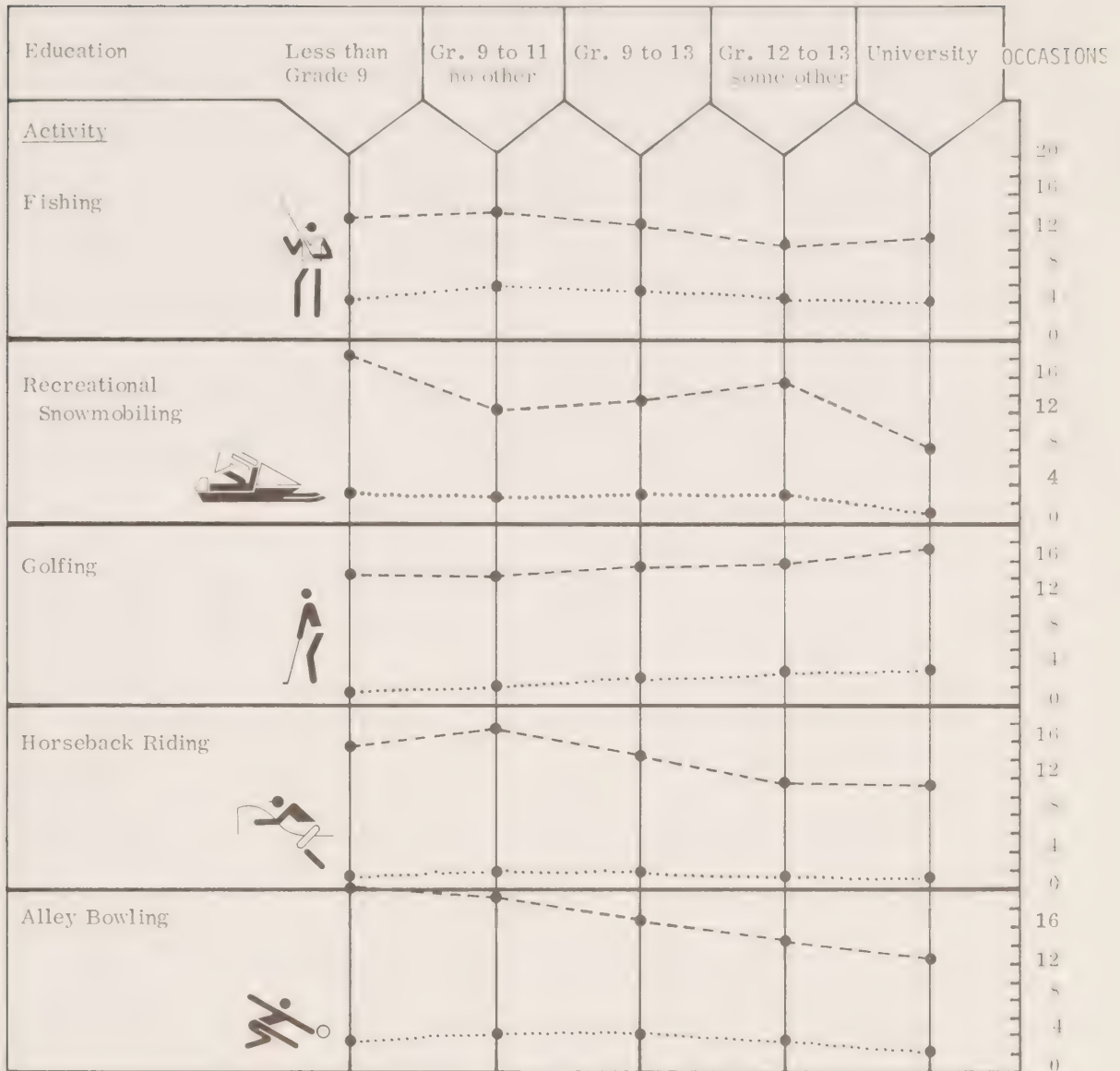
- c = occasions per capita  
p = occasions per participant
- Highest estimate for each activity is underlined

TABLE II-5 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>
Visiting a Museum or Art Gallery	c	0.7	0.8	1.5	1.8	<u>4.3</u>
	p	2.6	2.5	3.8	3.9	<u>7.0</u>
Camping	c	2.4	3.0	<u>4.0</u>	3.3	3.0
	p	9.5	9.5	<u>11.6</u>	9.6	9.2
Golfing	c	0.9	1.7	2.5	3.2	<u>3.7</u>
	p	14.4	14.2	15.0	15.7	<u>16.6</u>
Tennis	c	0.9	1.7	2.6	3.1	<u>4.2</u>
	p	13.4	19.1	<u>21.6</u>	20.4	15.8
Horseback Riding	c	1.3	<u>1.8</u>	1.7	1.2	1.3
	p	14.9	<u>17.9</u>	14.4	11.5	11.2
Ice Hockey	c	2.2	2.6	<u>3.5</u>	2.9	2.5
	p	21.6	19.3	<u>24.3</u>	20.8	18.8
Alley Bowling	c	3.2	<u>3.9</u>	<u>3.9</u>	3.3	2.1
	p	<u>20.4</u>	18.6	16.4	14.3	12.4

FIGURE II-5

AVERAGE ANNUAL OCCASIONS PER PARTICIPANT AND PER CAPITA  
BY EDUCATION LEVEL OF THE HEADS OF HOUSEHOLD  
IN SELECTED RECREATIONAL ACTIVITIES



Per participant - - - - -

Per capita . . . . .

swimming is for residents with less than grade 9 education. This difference points out the fact that the resident, especially one aged 12 to 19, is not as likely to have completed his education as is the head of household, yet younger people participate much more frequently than older people. This is a reason why the frequency of participation by education level of heads of household is perhaps a better indicator of patterns of participation than is the education level of residents. Therefore, any interpretation using the education level of the resident must acknowledge the confounding effect of age on participation.

The highest number of occasions per capita in swimming, boating, snowshoeing or cross-country skiing, hiking, visiting a developed historic site or display, visiting a museum or art gallery, golfing and tennis are for the groups characterized by an education level of Grade 12 to 13 plus post-secondary or university. This is true for grouping by the education level of either the resident or the head of household.

On the other hand, the highest number of occasions per capita in fishing, recreational snowmobiling, horseback riding and alley bowling are for the groups characterized by an education level of grade 11 or less (both resident and head of household).

#### 4. OCCUPATION OF THE HEADS OF HOUSEHOLD

Table II-6 gives the average annual occasions per capita and per participant as classified by occupation of the head of the household. As in Table II-5, for any occupation group with fewer than 25,000 participants in an activity, no estimate of occasions is provided.

With regard to occasions per capita for those who stated their occupation, farming or horticultural and animal husbandry households have the lowest values for seven of the fifteen selected activities: swimming, boating, fishing, cycling, visiting a developed historic site or display, visiting a museum or art gallery and alley bowling (see Figure II-6). These households are second lowest in hiking and camping. These low values may indicate that although farming households may have resources nearby, there is insufficient time, income or desire to participate frequently.

On the other hand, households whose head is employed in a primary occupation other than farming have the highest occasions per capita for fishing, recreational snowmobiling, hiking and camping. Thus, although households of those in farming occupations may have access to similar opportunities as do other primary workers for participating in resource-based activities, they have very different levels of involvement.

Households headed by managers, administrators, those involved in technological and social/cultural fields, or those in sales have the highest occasions per capita in nine of the fifteen activities: swimming, boating, snowshoeing or cross-country skiing, visiting a museum or art gallery, golfing, tennis, ice hockey and alley bowling..

When Table II-6 is related to Table I-6 in the preceding chapter, a number of similarities emerge. For example, not only do the households of managers and administrators have one of the highest incidence of participation in swimming, they also have one of the highest annual number of occasions per capita. On the other hand, households whose head is in sales have an above-average incidence in participation

TABLE II-6  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT BY OCCUPATION OF THE  
HEADS OF HOUSEHOLD IN SELECTED RECREATIONAL ACTIVITIES

Activity		Managerial, Administrative and Related	Technological, Social and Cultural	Clerical and Related	Sales	Service	Farming, Horticultural and Animal Husbandry	Other Primary	Processing	Machinery, Product Fabricating and Construction Trades	Other Occupations	Occupations not Stated
Swimming	c	25.1	27.5	16.7	30.3	19.7	8.0	18.0	20.3	19.3	19.7	13.9
	p	31.9	35.0	25.1	40.1	31.7	17.6	28.4	33.3	29.6	29.6	28.9
Recreational Boating	c	7.8	8.8	3.4	7.5	4.1	2.5	5.8	5.5	5.7	6.5	2.4
	p	14.9	16.1	8.5	14.8	11.2	8.8	11.3	13.8	13.7	15.9	8.4
Fishing	c	3.0	4.8	3.9	6.2	5.0	2.4	9.1	6.0	5.1	5.7	2.1
	p	8.0	12.9	11.5	13.7	13.9	8.9	15.1	13.3	12.6	14.1	9.7
Snowshoeing or Cross- country Skiing	c	0.9	0.9	-	0.3	0.1	-	-	-	0.3	0.1	-
	p	9.6	6.1	-	5.1	2.2	-	-	-	6.7	1.6	-
Recreational Cycling	c	13.1	20.9	15.1	22.0	12.0	9.6	-	13.0	18.0	22.1	18.0
	p	30.6	47.4	49.8	60.3	39.6	41.0	-	44.2	52.0	68.1	61.7
Recreational Snowmobiling	c	3.6	1.4	1.2	1.0	1.7	5.0	13.2	4.4	2.4	3.1	0.9
	p	19.6	9.8	10.6	5.1	11.5	14.9	42.3	22.6	12.4	15.2	8.1
Hiking	c	3.4	4.1	1.8	3.9	3.7	1.9	4.8	3.3	2.5	3.0	2.5
	p	13.2	11.4	7.8	13.6	18.5	13.1	14.8	14.6	11.7	13.4	12.6

Note:

- c = occasions per capita  
p = occasions per participant
- Highest estimate for each activity is underlined

- Less than 25,000 participants

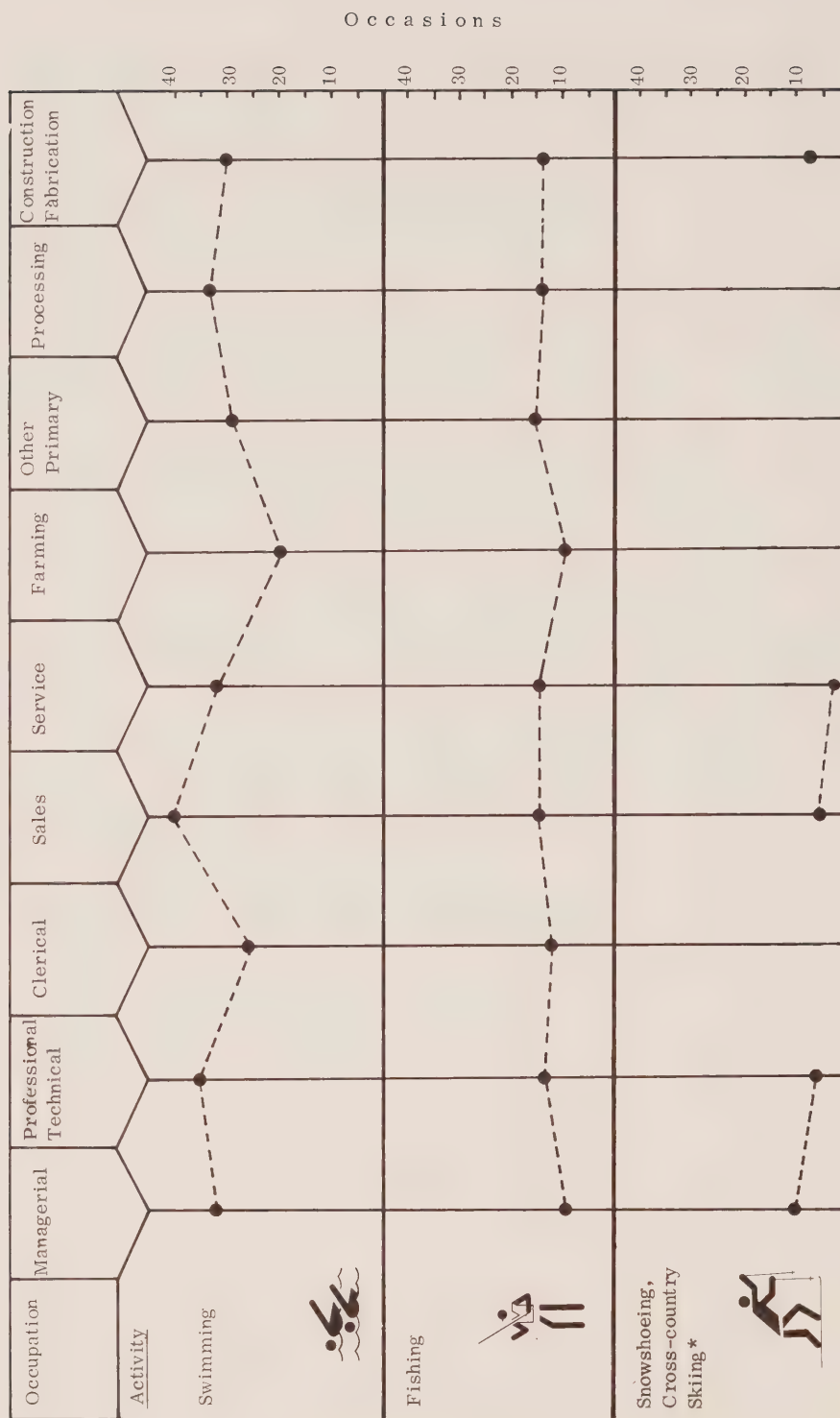
TABLE II-6 (continued)

Activity		Managerial, Administrative and Related		Technological, Social and Cultural		Clerical and Related		Service		Farming, Horticultural and Animal Husbandry		Other Primary		Processing		Machinery, Fabricating and Other Trades		Other Occupations not Stated	
		c	p	c	p	c	p	c	p	c	p	c	p	c	p	c	p	c	p
Visiting a Developed Historic Site or Display	c	1.7		2.2		1.9		2.3		1.4		1.8		1.3		1.3		1.0	
	p	3.9		4.3		5.1		4.9		4.4		6.0		4.3		3.9		3.0	
Visiting a Museum or Art Gallery	c	2.4		3.2		1.4		2.4		1.4		-		0.9		1.0		1.1	
	p	4.9		5.7		4.1		5.2		4.2		-		2.7		3.3		3.2	
Camping	c	1.7		3.8		2.8		4.4		2.4		4.8		2.6		3.6		3.7	
	p	5.4		10.9		10.2		13.7		9.4		9.9		8.6		10.8		10.5	
Golfing	c	4.6		2.7		2.2		4.5		1.6		-		1.2		1.6		1.2	
	p	20.7		14.0		19.9		19.4		16.3		-		10.0		12.9		11.9	
Tennis	c	2.9		3.4		2.9		2.3		3.2		-		2.3		1.9		1.3	
	p	14.1		15.7		22.8		15.0		35.0		-		24.4		18.4		15.4	
Horseback Riding	c	1.5		1.7		0.5		1.0		2.7		-		-		1.5		1.8	
	p	12.5		14.2		5.3		8.4		24.2		-		-		14.4		16.8	
Ice Hockey	c	4.3		2.7		1.7		3.2		2.0		-		3.3		2.0		2.5	
	p	27.2		19.3		15.9		22.6		30.9		-		22.5		16.0		18.6	
Alley Bowling	c	3.5		1.9		3.8		4.2		3.0		-		3.1		4.0		3.4	
	p	16.8		11.2		16.4		18.9		17.4		-		16.0		18.4		18.0	

- Less than 25,000 participants

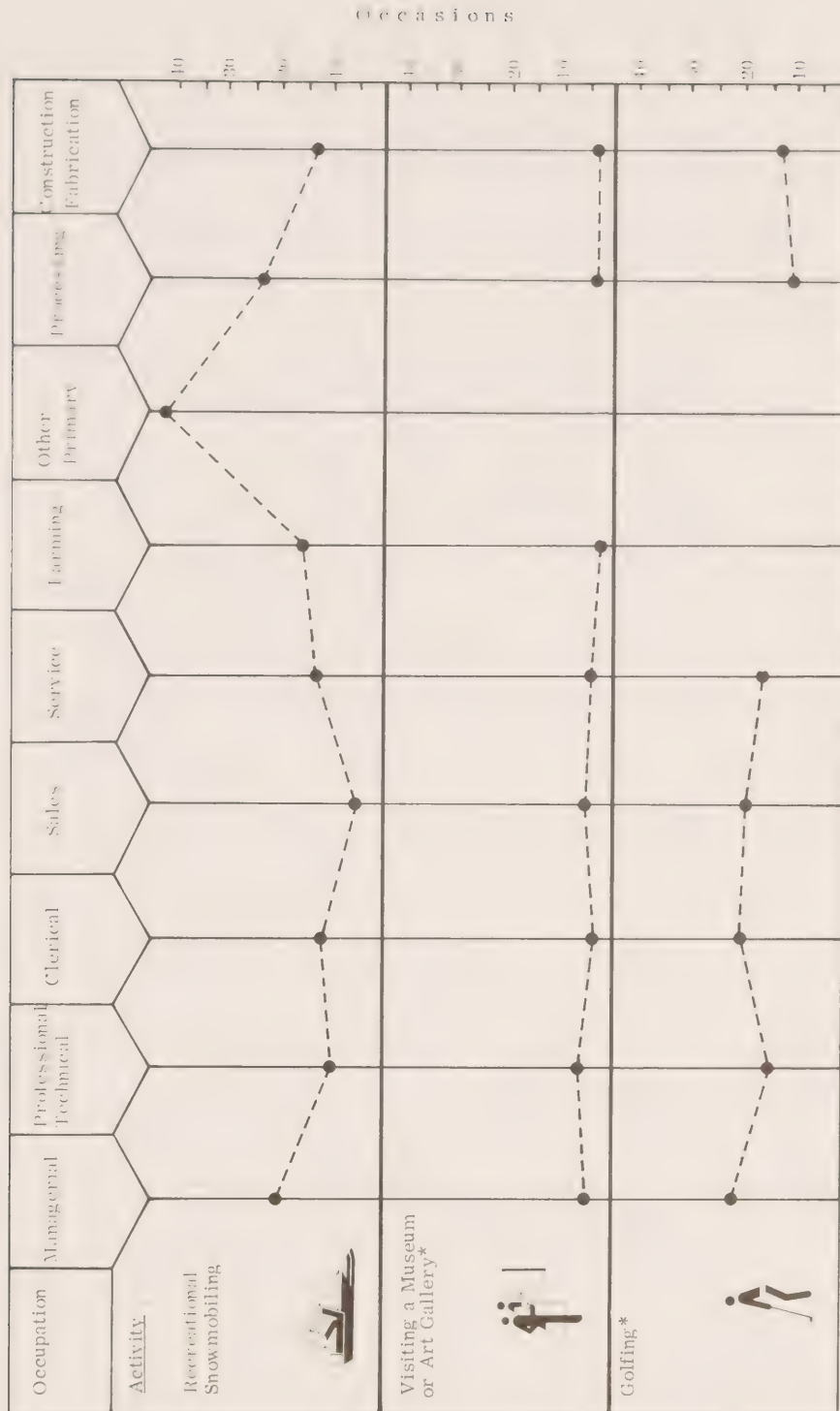
FIGURE II-6

AVERAGE ANNUAL OCCASIONS PER PARTICIPANT  
BY OCCUPATION OF THE HEADS OF HOUSEHOLD  
IN SELECTED RECREATIONAL ACTIVITIES



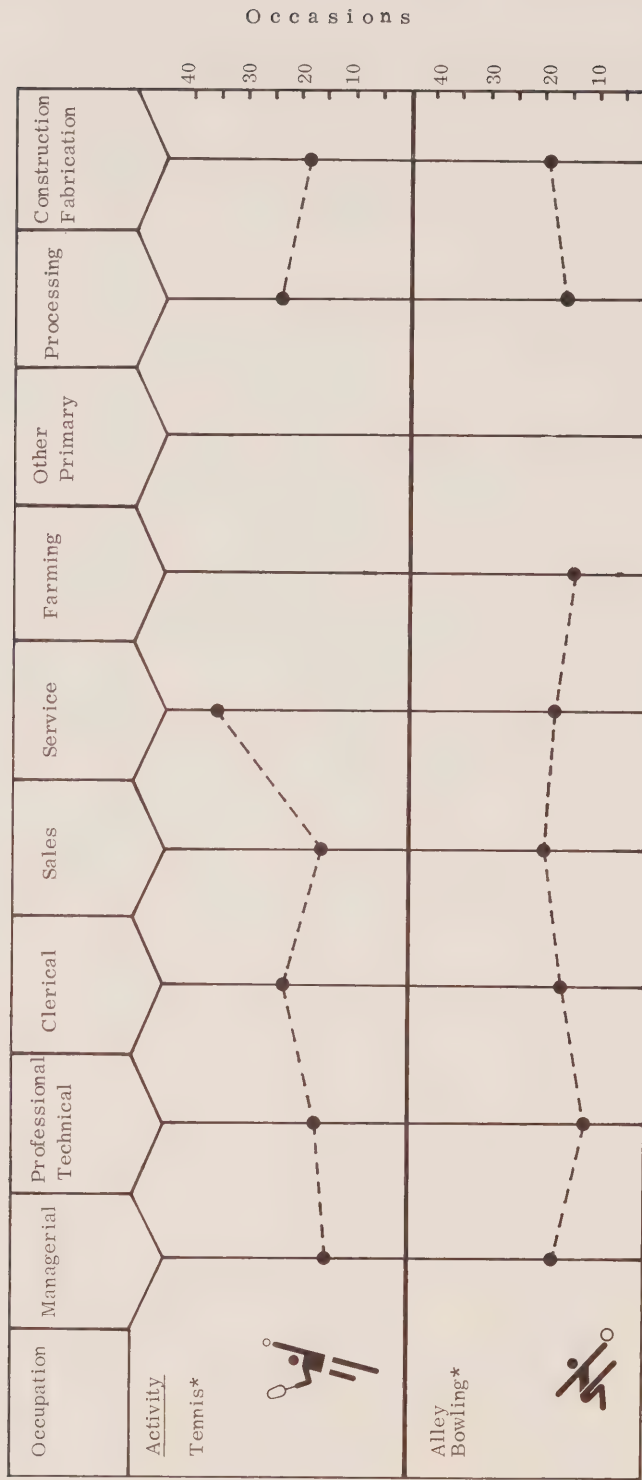
\* Due to insufficient sample size, no estimate is given for all categories

FIGURE II-6 (continued)



\* Due to insufficient sample size, no estimate is given for all categories

FIGURE II-6 (continued)



\* Due to insufficient sample size, no estimate is given for all categories

Source: Table II-6

in recreational snowmobiling, but they participate the least frequently.

## 5. HOUSEHOLD INCOME

The average annual occasions per capita and per participant from the 15 selected activities are given in Table II-7 for eight categories of household income.

Generally, occasions per capita increase with an increase in household income for almost all of the 15 activities. Swimming, recreational snowmobiling, tennis and alley bowling, for example, increase with household income to a peak at the \$20,000 to \$24,999 level. Snowshoeing or cross-country skiing and golfing all increase in occasions per capita to a peak at the level of \$25,000 plus household income. Boating, however, appears to have a secondary peak at the level of \$12,000 to \$14,999 household income; the primary peak may reflect one type of boating, such as yachting, while the secondary peak may reflect motor boating and canoeing.

Some activities such as fishing, cycling, hiking and camping have their peak in occasions per capita at the household income range of \$10,000 to \$14,999. Hiking and camping, though, have a fairly stable rate of occasions per capita across income categories, while fishing and cycling have a definite decline in occasions at the higher income levels.

With regard to occasions per participant, anglers and campers from households with an annual income of less than \$3,000 participate more frequently in their activities than participants from any other household income group. Generally, though, occasions per participant

TABLE II-7  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT BY HOUSEHOLD  
INCOME IN SELECTED RECREATIONAL ACTIVITIES

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown
Swimming	c 7.4 p 25.6	9.7 21.7	18.5 29.6	17.7 26.7	27.1 34.9	23.4 30.1	30.7 37.2	29.7 36.6	19.5 31.3
Recreational Boating	c 2.8 p 8.2	2.0 7.0	4.6 12.6	4.1 10.1	8.3 16.1	7.0 13.6	7.7 14.0	10.3 16.9	5.7 15.2
Fishing	c 4.2 p 19.1	3.2 10.9	5.1 13.4	4.5 11.4	6.6 14.3	5.3 12.1	5.7 11.6	3.2 8.4	3.7 12.1
Snowshoeing or Cross-country Skiing	c - p -	- -	0.2 3.7	0.3 6.6	0.3 4.9	0.6 6.8	0.6 6.9	0.9 6.7	0.3 5.5
Recreational Cycling	c 5.6 p 43.8	9.3 44.3	16.8 53.0	17.4 54.5	22.3 56.4	18.1 48.2	18.6 47.3	11.8 27.8	18.4 48.6
Recreational Snowmobiling	c - p -	1.5 11.3	2.6 15.2	2.6 14.2	2.7 12.8	4.2 18.2	4.2 18.6	3.3 12.4	1.3 8.9
Hiking	c - p -	1.6 11.0	3.0 13.1	3.5 15.1	3.5 13.3	3.2 10.8	3.4 11.3	3.3 12.5	2.6 11.5

Note:

- c = occasions per capita  
p = occasions per participants

2. Highest estimate for each activity is underlined

- Less than 25,000 participants

TABLE II-7 (continued)

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown
Visiting a Developed Historic Site or Display									
c	0.7	0.8	1.2	1.3	1.4	2.5	2.1	2.2	1.3
p	3.5	3.1	3.4	3.8	3.4	5.5	4.6	5.2	3.9
Visiting a Museum or Art Gallery									
c	0.6	0.9	1.4	1.4	1.3	2.3	1.9	3.0	1.6
p	2.8	3.3	4.0	3.9	3.5	5.5	3.7	6.2	4.3
Camping									
c	2.6	1.4	2.8	2.8	5.2	3.5	3.0	3.1	2.8
p	16.9	6.6	8.7	8.1	13.9	10.7	8.2	11.0	9.8
Golfing									
c	-	0.9	0.9	1.8	3.1	3.2	3.6	4.5	1.8
p	-	14.7	10.2	15.0	17.7	17.2	15.6	16.3	14.6
Tennis									
c	-	0.6	1.1	1.6	3.1	3.2	4.2	3.5	2.3
p	-	11.3	12.6	14.3	20.9	20.2	22.3	15.2	16.6
Horseback Riding									
c	-	1.3	1.1	1.1	1.2	1.8	1.6	1.3	2.5
p	-	14.2	12.6	12.7	10.7	16.0	12.1	8.9	21.0
Ice Hockey									
c	-	1.3	1.9	3.3	2.5	2.8	4.7	5.1	2.5
p	-	17.7	15.2	26.6	16.4	18.2	30.6	36.0	18.9
Alley Bowling									
c	-	2.1	2.6	3.6	4.1	4.3	5.1	2.3	2.4
p	-	15.2	14.2	17.2	16.7	19.4	21.7	10.4	15.5

- Less than 25,000 participants

FIGURE II-7

AVERAGE ANNUAL OCCASIONS PER PARTICIPANT AND PER CAPITA  
BY HOUSEHOLD INCOME IN SELECTED RECREATIONAL ACTIVITIES  
(NOTE: per capita and per participant scales differ)

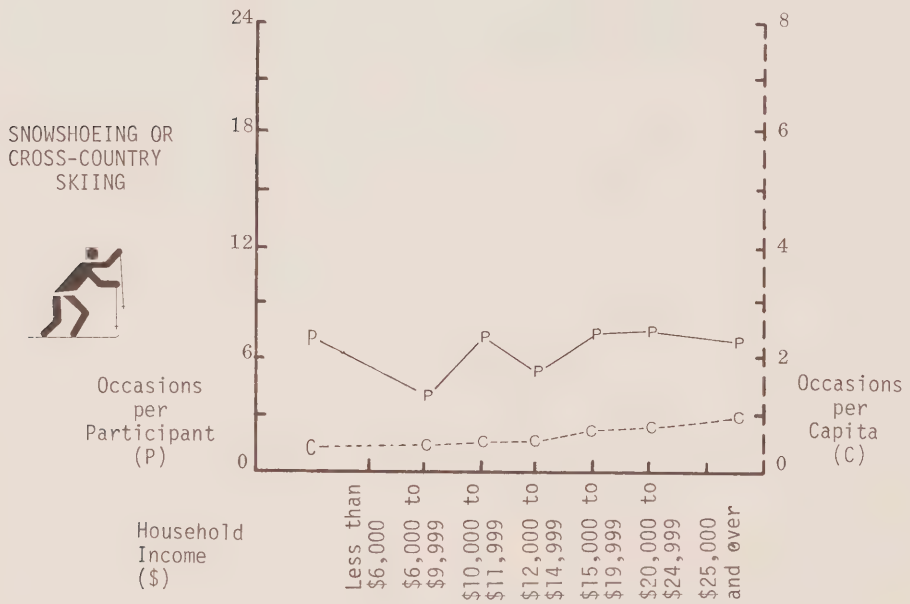
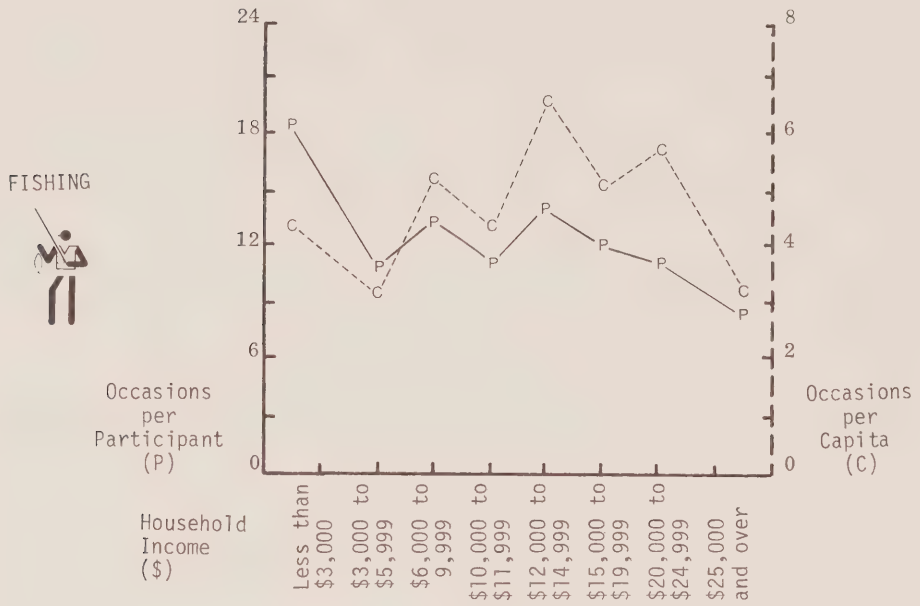


FIGURE 11-7 (continued)



Source: Table II-7

increase with an increase in household income.

## 6. COMMUNITY SIZE

The communities in which residents of Ontario live have been grouped into seven categories of size in Table II-8. In this table, the annual occasions per capita (c) and annual occasions per participant (p) are given for each community size. Appendix B lists the communities in each category of size, with the "less than 5,000" category being rural and the "500,000 and over" category being Metropolitan Toronto.

Residents of Metropolitan Toronto have below-average occasions per capita in 11 of the 15 activities, including all resource-based activities except motor boating.

In contrast, for the activities in which Metropolitan Toronto residents have above-average estimates, residents in rural municipalities (less than 5,000 people) have the fewest occasions per capita. These activities include visiting a developed historic site or display, visiting a museum or art gallery and tennis.

In general, when the pattern of above-average occasions per capita is assessed for all of the 15 activities, horseback riding, hiking and recreational snowmobiling can be identified as predominantly rural activities: hockey, camping and fishing as activities based in rural and small town areas; and visiting a museum or art gallery, tennis and golf are predominantly urban activities. These trends can also be seen in Figure II-8.

Residents of communities with a population between 10,000 and

TABLE II-8  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT BY COMMUNITY  
SIZE IN SELECTED RECREATIONAL ACTIVITIES

Activity		Less Than <u>5,000</u>	5,000 to <u>9,999</u>	10,000 to <u>24,999</u>	25,000 to <u>49,999</u>	50,000 to <u>99,999</u>	100,000 to <u>499,999</u>	500,000 and <u>over</u>
Swimming	c	19.5	19.0	<u>27.8</u>	17.8	24.9	20.6	19.4
	p	30.2	30.6	<u>41.8</u>	25.8	35.5	29.9	29.6
Recreational Boating	c	5.7	7.1	<u>8.2</u>	8.1	6.1	4.1	6.1
	p	12.5	15.6	<u>17.4</u>	17.3	13.2	9.5	16.5
Fishing	c	6.3	<u>8.5</u>	6.4	7.1	5.8	3.2	2.8
	p	14.9	<u>18.6</u>	14.1	16.2	14.2	8.6	9.1
Snowshoeing or Cross-country Skiing*	c	0.4	<u>0.5</u>	<u>0.5</u>	<u>0.5</u>	0.4	0.4	0.3
	p	5.2	-	-	-	<u>6.1</u>	5.6	<u>6.1</u>
Recreational Cycling	c	16.6	19.4	19.7	<u>24.2</u>	23.0	17.6	12.2
	p	48.9	55.4	52.2	<u>65.2</u>	62.6	48.1	39.6
Recreational Snowmobiling	c	<u>6.4</u>	3.7	2.0	1.5	1.6	1.1	0.6
	p	<u>19.8</u>	13.9	7.9	7.6	7.7	10.5	8.4
Hiking	c	<u>4.3</u>	3.3	2.6	2.9	3.1	2.6	2.3
	p	<u>17.1</u>	15.7	10.0	11.7	11.2	10.2	11.4

Note:

1. c = occasions per capita  
p = occasions per participant

2. Highest estimate for each activity is underlined

\* The mean for community size 5,000 to 49,999 is given in all three cells

- Less than 25,000 participants

TABLE II-8 (continued)

Activity		Less Than 5,000	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and over
Visiting a Developed Historic Site or Display	c	1.1	1.3	<u>2.1</u>	1.4	1.8	1.3	1.8
	p	3.1	3.3	<u>5.7</u>	4.4	5.1	3.2	4.9
Visiting a Museum or Art Gallery	c	0.9	1.0	1.6	1.5	1.4	1.6	<u>2.3</u>
	p	3.0	3.5	4.3	4.1	4.1	4.0	<u>5.1</u>
Camping	c	4.1	3.8	<u>4.9</u>	3.8	2.9	2.6	2.2
	p	11.9	10.8	<u>13.2</u>	11.7	8.7	8.6	9.0
Golfing	c	1.8	2.0	2.1	2.2	<u>3.0</u>	2.4	1.9
	p	15.1	15.5	13.7	<u>17.5</u>	16.9	16.2	14.5
Tennis*	c	1.1	1.8	1.8	1.8	2.9	2.3	<u>3.1</u>
	p	13.3	-	-	-	<u>20.9</u>	15.8	18.4
Horseback Riding	c	<u>3.0</u>	0.9	2.0	1.2	1.3	1.5	0.5
	p	<u>24.4</u>	10.1	18.6	10.4	11.5	13.8	5.8
Ice Hockey	c	3.4	<u>4.2</u>	3.3	2.9	2.3	2.8	1.8
	p	22.7	<u>26.6</u>	19.7	20.9	17.2	23.9	16.8
Alley Bowling	c	2.8	4.0	3.9	<u>4.9</u>	4.5	3.5	2.3
	p	15.2	19.6	18.5	<u>19.9</u>	17.9	18.5	14.2

\* The mean for community size 5,000 to 49,999 is given in all three cells

- Less than 25,000 participants

FIGURE II-8  
AVERAGE, ANNUAL OCCASIONS PER PARTICIPANT AND PER CAPITA  
BY THE SIZE OF COMMUNITY  
IN SELECTED RECREATIONAL ACTIVITIES  
(NOTE: per capita and per participant scales differ)

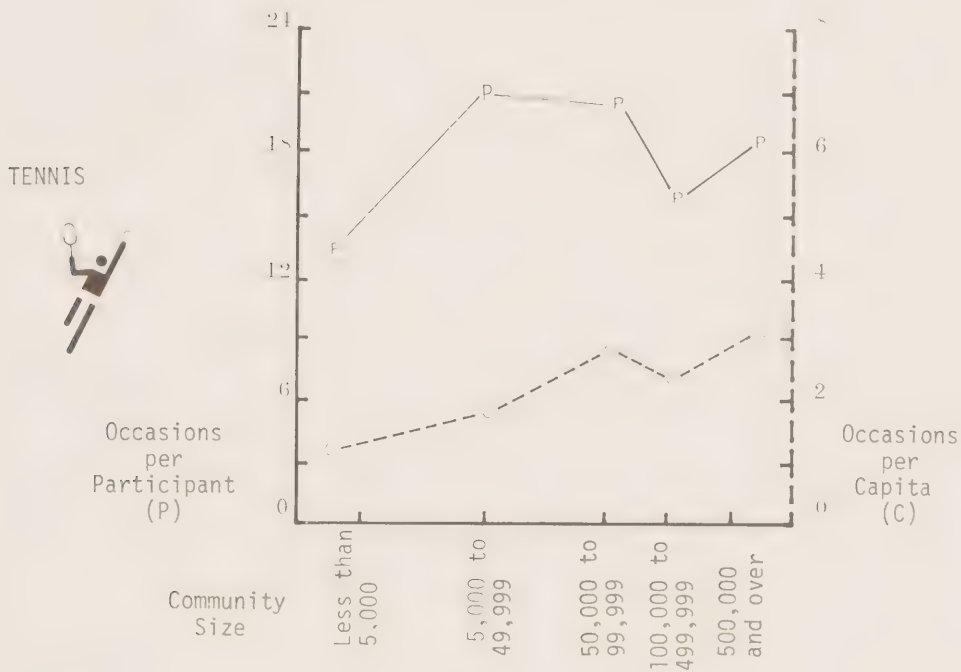
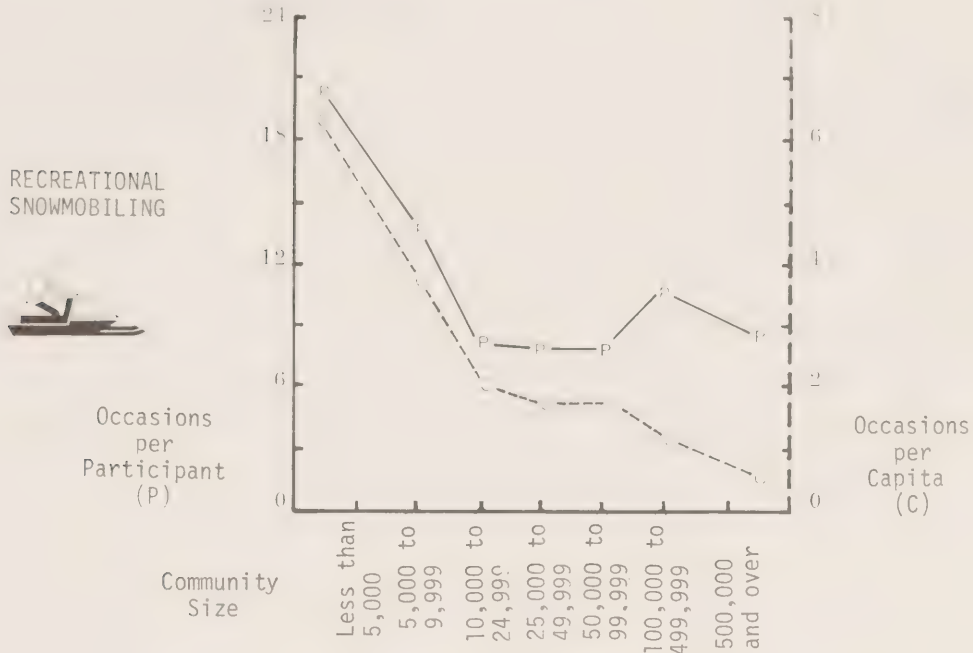
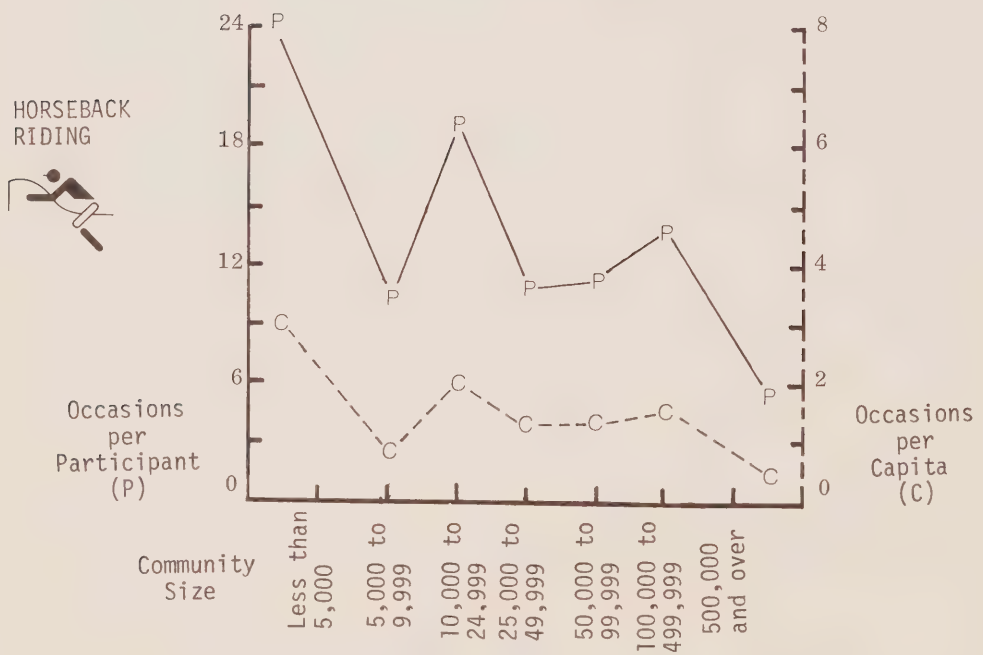
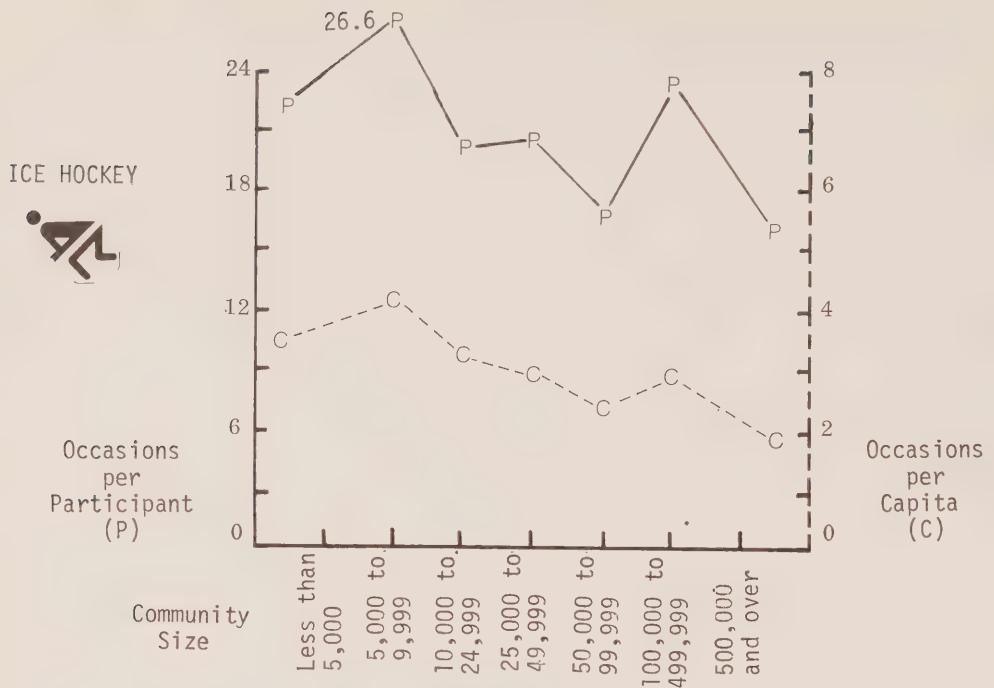


FIGURE II-8 (continued)



Source: Table II-8

24,999 have the highest number of occasions per capita for the greatest number of activities whereas the communities of 100,000 to 499,999 have the least.

7. NORTHERN AND SOUTHERN ONTARIO

Table II-9 gives the annual occasions per participant for the residents of both Northern and Southern Ontario for 38 activities.

Residents of Northern Ontario have a higher number of occasions per capita in all but 12 of the 38 activities. The activities in which Southern Ontario residents participate more frequently per year consist mostly of facility-based activities such as golfing, tennis, soccer and track and field.

Residents of Northern Ontario participate more frequently, on average, than those of Southern Ontario in all the winter activities except ice skating, and in all resource-based activities except personal nature appreciation, horseback riding and swimming. (Much of the swimming, however, is facility-based).

With regard to annual occasions per participant, there is little difference in the values between Northern Ontario and Southern Ontario for about half of the activities listed. A difference of two occasions per participant per year is regarded as being low. Only recreational snowmobiling has a difference of over ten occasions per participant, with northern participants engaging most frequently. Track and field, on the other hand, is the only activity which shows this large difference favouring Southern Ontario over Northern Ontario.

TABLE II-9  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT  
FOR SOUTHERN AND NORTHERN ONTARIO

	Southern Ontario		Northern Ontario	
	c	p	c	p
Recreational Walking	37.6	68.4	42.5	72.4
Swimming	20.8	31.3	20.4	29.2
Recreational Driving	17.6	27.4	25.1	35.1
Recreational Cycling	16.9	49.8	18.9	47.5
Visiting a Private Cottage, Chalet, Hobby Farm	9.2	19.5	13.9	21.3
Attending a Sporting Event as a Spectator	9.1	17.6	11.5	18.7
Recreational Boating	5.6	13.4	8.6	14.6
Fishing	4.2	11.7	9.8	17.1
Ice Skating	4.0	12.3	3.7	11.1
Picnicking	3.7	6.2	5.7	9.0
Alley Bowling	3.1	16.4	4.2	19.2
Camping	2.9	10.0	5.1	10.9
Hiking	2.9	12.7	4.4	12.6
Baseball or Softball	2.7	14.6	3.9	15.9
Gymnastics	2.6	58.6	4.7	67.4
Personal Nature Appreciation	2.8	12.9	2.4	8.6
Ice Hockey	2.6	20.8	3.2	20.0
Recreational Snowmobiling	1.8	11.3	10.1	23.5
Badminton	2.4	19.9	2.8	19.3
Basketball	2.3	20.6	3.6	27.1
Attending a Live Theatre or Concert Performance	2.5	5.8	1.8	4.5
Tennis	2.3	18.3	1.2	9.9
Golfing	2.2	15.5	1.8	15.7
Organized Nature Appreciation	2.1	4.2	2.3	4.4
Volleyball	1.9	18.9	2.8	22.2

Note:

1. c = occasions per capita  
p = occasions per participant

TABLE II-9 (continued)

	<u>Southern Ontario</u>		<u>Northern Ontario</u>	
	<u>C</u>	<u>P</u>	<u>C</u>	<u>P</u>
Visiting a Museum or Art Gallery	1.6	4.3	1.0	3.3
Horseback Riding	1.6	15.0	1.0	11.2
Attending an Annually Scheduled Fair, Exhibition, Sportsman Show, Festival	1.5	2.7	1.6	2.7
Football (Canadian)	1.5	14.7	1.5	13.9
Visiting a Developed Historic Site or Display	1.5	4.1	1.2	3.5
Tobogganing or Sledding	1.4	6.5	2.0	8.3
Soccer	1.2	14.6	1.2	12.4
Hunting	0.9	10.7	4.1	13.0
Water-skiing	1.0	9.5	1.1	7.3
Track and Field	0.9	25.5	0.6	15.7
Curling	0.5	13.4	2.2	15.0
Downhill Skiing	0.6	7.5	1.2	13.7
Snowshoeing or Cross-country Skiing	0.3	5.3	1.3	7.5

## CHAPTER III

### PROFILES OF RECREATIONISTS FOR SELECTED ACTIVITIES

One may ask, "What is the average swimmer like?". Such questions may be answered by examining profiles of participants in the various activities. Profiles are available for the non-institutional population of Ontario aged 12 years and older. The profiles in Table III-1 are presented for male and female participants in Northern and Southern Ontario. Each profile describes a "typical" participant. It specifies the participants' average age, average household income (in thousands of dollars), average number of years of education, and the average number of years in the education of their household heads. For example, the average female bicyclist who lives in Southern Ontario is 25 years old with Grade 11 education. She lives in a household whose head has 12 years of education and the household income is \$14,000 annually.

The profiles in Table III-1, however, do not represent the typical person one would find participating in these activities on a randomly selected day. The reason for this is that participants from different socio-demographic groups participate in activities on a varying number of days per year. For example, if one were bicycling in an area where only Southern Ontario residents cycle, the average female bicyclist (aged 12 years and older) would not be 25 years old, but would be 22 years old. The latter age of 22 years is calculated by taking into account the number of occasions of recreational bicycling participated in during the past year when calculating the average age.

The demographic characteristics in Table III-2 also take into account the number of occasions spent doing the specified activities

in the past year (i.e., the figures in Table III-2 for age, income, residents' education and household heads' education are weighted by occasions). Table III-2 presents profiles that would be found if on-site surveys were done of typical individuals in Ontario 12 years of age and older, whereas, those in Table III-1 are from a household survey. Thus, the profiles in Table III-2 describe the average individual one would observe if one were participating in a given activity.

Where there is a small sample size in an activity for Northern Ontario, the averages have been combined across sex, as shown with cross-country skiing in Table III-1.

TABLE III-1  
 PROFILES OF PARTICIPANTS (12 YEARS AND OLDER) IN  
 SOUTHERN AND NORTHERN ONTARIO: AVERAGE AGE,  
AVERAGE HOUSEHOLD INCOME AND AVERAGE EDUCATION LEVELS

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Swimming	A	31	31	32	30
	I	15	14	14	12
	R	12	12	11	11
	H	12	12	11	11
Motor Boating	A	33	33	34	31
	I	15	14	14	13
	R	12	12	11	11
	H	12	12	11	11
Fishing	A	33	31	34	31
	I	14	13	13	12
	R	11	11	11	11
	H	11	12	11	10
Cross-country Skiing	A	31	27		33
	I	17	18		15
	R	14	12		13
	H	14	15		13
Recreational Bicycling	A	24	25	24	23
	I	15	14	14	12
	R	11	11	11	11
	H	12	12	11	11

Note:

1. A: Average age (in years)  
 I: Average household income (in 000's)  
 R: Average number of years of education of resident  
 H: Average number of years of education of head of household
2. Average household income is calculated by using the mean of each income category and setting the lowest and highest categories as (a) less than \$3,000 equals \$2,000 and (b) \$25,000 and above equals \$30,000.

TABLE III-1 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Recreational Snowmobiling	A	28	27	30	27
	I	15	14	14	13
	R	11	11	11	10
	H	11	11	11	10
Hiking	A	29	28	31	29
	I	15	14	12	13
	R	12	12	11	11
	H	12	12	11	11
Visiting a Developed Historic Site or Display	A	34	35	34	32
	I	15	14	14	13
	R	12	12	11	11
	H	12	12	11	11
Visiting a Museum or Art Gallery	A	33	35	35	31
	I	15	14	13	13
	R	12	12	11	11
	H	12	12	11	11
Camping	A	29	28	31	28
	I	14	13	13	13
	R	11	11	11	11
	H	12	12	11	10
Golfing	A	32	34		32
	I	16	16		17
	R	12	12		12
	H	12	13		12
Tennis	A	24	24	22	21
	I	16	16	15	13
	R	13	12	12	11
	H	13	13	11	11
Horseback Riding	A	24	21	20	20
	I	15	14	12	14
	R	11	11	11	10
	H	11	12	11	10

TABLE III-1 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Ice Hockey	A	22	22	23	19
	I	14	14	13	12
	R	11	10	11	10
	H	12	11	11	10
Alley Bowling	A	30	31	29	28
	I	15	13	15	12
	R	11	11	12	11
	H	12	11	11	11

TABLE III-2

PROFILES OF PARTICIPANTS (12 YEARS AND OLDER) WEIGHTED\* BY OCCASIONS, IN SOUTHERN AND NORTHERN ONTARIO: AVERAGE AGE, AVERAGE HOUSEHOLD INCOME AND AVERAGE EDUCATION LEVELS

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Swimming	A	28	28	28	24
	I	12	11	14	11
	R	11	11	11	10
	H	12	12	11	10
Recreational Boating	A	31	31	28	29
	I	13	10	13	11
	R	11	11	11	11
	H	12	12	11	11
Fishing	A	32	34	29	31
	I	11	10	11	10
	R	10	11	10	10
	H	11	11	10	10
Snowshoeing or Cross-country Skiing	A	33	30		34
	I	13	14		12
	R	14	12		11
	H	14	13		11
Recreational Cycling	A	21	22	19	20
	I	11	10	12	9
	R	10	10	10	9
	H	11	11	10	10

Note:

1. A: Average age (in years)  
I: Average household income (in 000's)  
R: Average number of years of education of resident  
H: Average number of years of education of head of household
2. Average household income is calculated by using the mean of each income category and setting the lowest and highest categories as (a) less than \$3,000 equals \$2,000 and (b) \$25,000 and above equals \$30,000

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\* Profiles are weighted by occasions of participation in past year

TABLE III-2 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Recreational Snowmobiling	A	27	25	27	24
	I	14	13	14	12
	R	11	11	10	10
	H	10	11	10	9
Hiking	A	34	30	26	29
	I	11	11	12	11
	R	12	11	10	9
	H	12	12	10	11
Visiting a Developed Historic Site or Display	A	37	36	31	36
	I	13	12	13	8
	R	12	12	12	9
	H	12	13	11	11
Visiting a Museum or Art Gallery	A	33	34	27	31
	I	12	12	12	10
	R	13	13	11	9
	H	13	13	11	10
Camping	A	31	31	26	26
	I	12	10	13	12
	R	11	10	10	10
	H	11	11	11	10
Golfing	A	34	47		31
	I	13	14		17
	R	12	13		12
	H	12	13		12
Tennis	A	24	24	19	21
	I	13	13	15	14
	R	12	12	10	11
	H	12	13	11	9
Horseback Riding	A	21	20	17	16
	I	9	9	14	8
	R	10	10	9	10
	H	9	11	10	9

TABLE III-2 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Ice Hockey	A	20	21	19	19
	I	13	13	11	10
	R	11	10	10	10
	H	11	10	11	9
Alley Bowling	A	31	33	27	35
	I	13	11	12	11
	R	11	10	11	11
	H	11	11	10	10

## CHAPTER IV

### INCIDENCE AND INTENSITY OF PARTICIPATION FOR ACTIVITY LEVELS

#### 1. INTRODUCTION

This chapter deals with aggregate statistics of participation for the same socio-demographic characteristics discussed in previous chapters. For the following analysis, individual activities are not identified; instead, the possible number of activities in which a person can participate (0 to 73) is grouped into eight levels of participation: 0, 1, 2, 3 to 5, 6 to 10, 11 to 15, 16 to 20 and more than 20. Such a grouping of the number of activities in which a person participated over the past 12 months (regardless of the specific activity) identifies those individuals who do not participate from those who participate in a few activities as well as from those who participate in many activities. The demographic characteristics of people belonging to each grouping can be investigated.

Three different but related estimates of overall participation for demographic groups are given in the following tables. The three tables for each demographic characteristic consist of:

- (i) The number and percentage of the population belonging to each of the eight levels of participation mentioned above. These percentage estimates show the distribution of people in a demographic group across the various levels of participation.
- (ii) The number and percentage of the total annual occasions of participation associated with each of seven levels (excluding the 0 level in which there are no occasions). These percentages show the distribution of occasions by people in a demographic group across the various levels of participation.
- (iii) The average number of annual occasions per activity by individuals in each of the seven levels of participation. This statistic can be described as the intensity of participation. It is the annual total occasions for a participation level (e.g., total occasions for the level 6 to 10 activities),

divided by the average annual number of activities done by members in that level (e.g., 7.9 activities). Intensity of participation is defined as the average annual occasions per activity for those people who engage in a given number of activities per year (e.g., a person engaging in ten activities per year may do each activity on average 15 times per year).

As an aggregate statistic, the intensity of participation is intended to investigate the question: On average, do people who participate in fewer activities participate in these activities more frequently?

## 2. AGE AND SEX

Table IV-1 shows the estimated number and percentage of residents in each level of participation by five age categories for each sex.

Figures IV-1 and IV-2 give a detailed description of the results in Table IV-1. These show precisely how, with increasing age, the proportion of both males and females engaging in activities decreases.

Furthermore, no males aged 12 to 19 indicated participation in less than one activity, whereas, about 12 per cent of those over 64 do not participate at all. An even higher proportion of females (about 18%) over 64 do not participate in any activities.

In Table IV-2, the total occasions per level of participation are given for individuals in the ten age-sex categories. The number of activities in which participation occurs are categorized as in Table IV-1, except there is no zero value as this measure involves only those participating.

It can be seen in the distribution of occasions in Table IV-2 that males aged 12 to 19 contribute a large number to the provincial

TABLE IV-1  
NUMBER AND PERCENTAGE OF PARTICIPANTS IN EACH ACTIVITY  
LEVEL BY AGE AND SEX CATEGORIES FOR THE ONTARIO POPULATION

		Levels of Participation*								Total
Male		0	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	
12 to 19	n	-	-	-	19	49	129	158	268	626
	r	-	-	-	3.0%	7.8%	20.6%	25.2%	<u>42.3%</u>	100%
20 to 34	n	-	-	13	85	192	259	197	159	917
	r	-	-	1.4	9.3	20.9	<u>28.2</u>	21.5	17.3	100
35 to 49	n	23	19	20	125	176	194	108	44	709
	r	3.3	2.7	2.8	17.7	24.9	<u>27.4</u>	15.3	6.2	100
50 to 64	n	21	32	34	123	173	85	38	9	515
	r	4.1	6.2	6.6	24.0	<u>33.7</u>	16.6	7.4	1.8	100
65 and over	n	33	33	22	71	78	22	-	-	266
	r	12.4	12.4	8.3	26.7	<u>29.3</u>	8.3	-	-	100
<u>Female</u>										
12 to 19	n	-	-	-	30	94	132	159	177	601
	r	-	-	-	5.0	15.6	22.0	26.5	<u>29.5</u>	100
20 to 34	n	10	11	34	122	269	243	150	76	915
	r	1.1	1.2	3.7	13.3	<u>29.4</u>	26.6	16.4	8.3	100
35 to 49	n	19	24	42	142	217	153	72	26	695
	r	2.7	3.5	6.0	20.4	<u>31.2</u>	22.0	10.4	13.7	100
50 to 64	n	43	37	48	115	195	81	15	-	538
	r	8.0	6.9	8.9	21.4	<u>36.2</u>	15.1	2.8	-	100
65 and over	n	64	51	56	99	73	14	-	-	361
	r	17.7	14.1	15.5	<u>27.4</u>	20.2	3.9	-	-	100
Total for Population	r	3.6	3.6	4.5	15.2	24.7	21.4	15.9	12.4	

Note:

1. n = population estimate in 000's  
r = distribution of participants (row %)
2. Highest estimate for each age-sex category is underlined

\* Number of activities participation in during past 12 months

- Population estimate less than 10,000 or percentages less than 1.0

TABLE IV-2  
ANNUAL TOTAL AND PERCENTAGE OF OCCASIONS IN EACH ACTIVITY LEVEL  
BY AGE AND SEX CATEGORIES OF ONTARIO PARTICIPANTS

		Activity Level*							
		1	2	3	4	5	16 to 20	21 and over	Total
Male									
12 to 19	n	-	113	1,397	8,502	37,126	56,343	148,718	252,200
	r	-	-	-	3.4	14.7	22.3	59.0	100
20 to 34	n	44	1,197	5,736	20,239	47,637	49,612	55,351	179,816
	r	-	-	3.1	11.2	26.4	27.6	30.7	100
35 to 49	n	353	807	6,614	20,372	33,621	28,996	15,699	106,482
	r	-	-	6.2	19.1	31.5	27.0	14.7	100
50 to 64	n	891	1,350	6,897	23,817	15,997	9,004	3,784	61,740
	r	-	2.1	11.1	38.5	25.7	14.0	6.1	100
65 and over	n	2,486	1,641	6,755	12,757	6,436	1,681	-	31,756
	r	7.8	5.2	21.3	40.1	20.2	5.0	-	100
Female									
12 to 19	n	-	62	5,413	12,500	37,160	53,690	88,482	195,408
	r	-	-	1.7	6.4	19.0	27.4	45.2	100
20 to 34	n	190	873	4,413	30,570	44,341	38,248	25,319	147,950
	r	-	-	1.6	20.6	30.0	25.9	17.0	100
35 to 49	n	801	2,056	10,119	25,224	29,608	17,627	9,117	91,652
	r	-	2.2	9.9	27.5	29.6	19.0	8.8	100
50 to 64	n	719	2,147	6,921	20,183	16,553	3,999	1,481	57,199
	r	-	3.7	12.2	44.3	28.9	6.9	2.5	100
65 and over	n	1,465	3,042	9,111	11,314	3,975	602	546	30,127
	r	4.8	10.0	30.4	37.5	13.1	-	1.8	100

n = estimate of total annual occasions in 000's  
r = distribution of occasions (row %)

2. Highest estimate for each age-sex category is underlined

\* Number of activities participated in during past 12 months

- Estimate of occasions less than 25,000 or percentages less than 1.0

TABLE IV-3

AVERAGE ANNUAL OCCASIONS PER ACTIVITY IN EACH ACTIVITY LEVEL  
BY AGE AND SEX CATEGORIES OF ONTARIO PARTICIPANTS

	Activity Level*						
	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20
Male							
12 to 19	-	-	-	22.5	22.9	20.1	21.4
20 to 34	-	-	16.5	13.4	14.6	14.3	14.2
35 to 49	-	20+	12.7	14.8	13.8	15.3	15.7
50 to 64	27.6	19.8	14.4	17.9	15.1	13.6	-
65 and over	73.8	37+	25.0	22.4	24+	-	-
Female							
12 to 19	-	-	30.0	16.9	21.5	19.4	19.8
20 to 34	-	13.0	17.1	14.1	14.5	14.4	14.4
35 to 49	34+	24.3	14.1	14.6	15.0	14.1	13.8
50 to 64	19.6	22.8	15.2	16.7	16.7	-	-
65 and over	28.8	27.1	23.9	20.5	-	-	-
Average Number of Activities	1.0	2.0	4.0	7.9	12.9	17.9	25.5

Note:

1. Highest estimate for each age-sex category is underlined

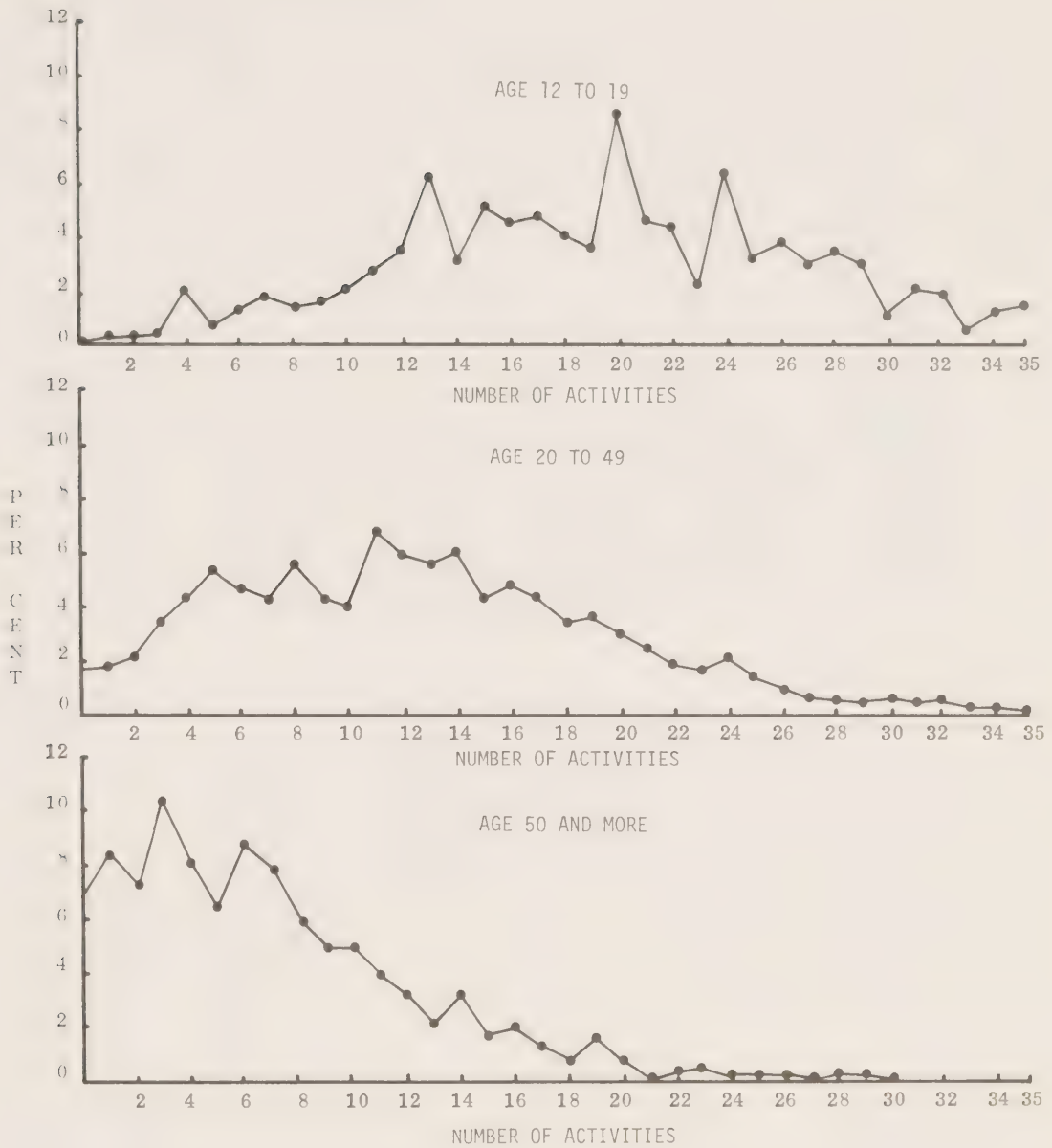
\* Number of activities participated in during past 12 months

- Estimate of occasions less than 20,000

+ Due to extremely small sample size, estimate should be interpreted with caution

FIGURE IV-1

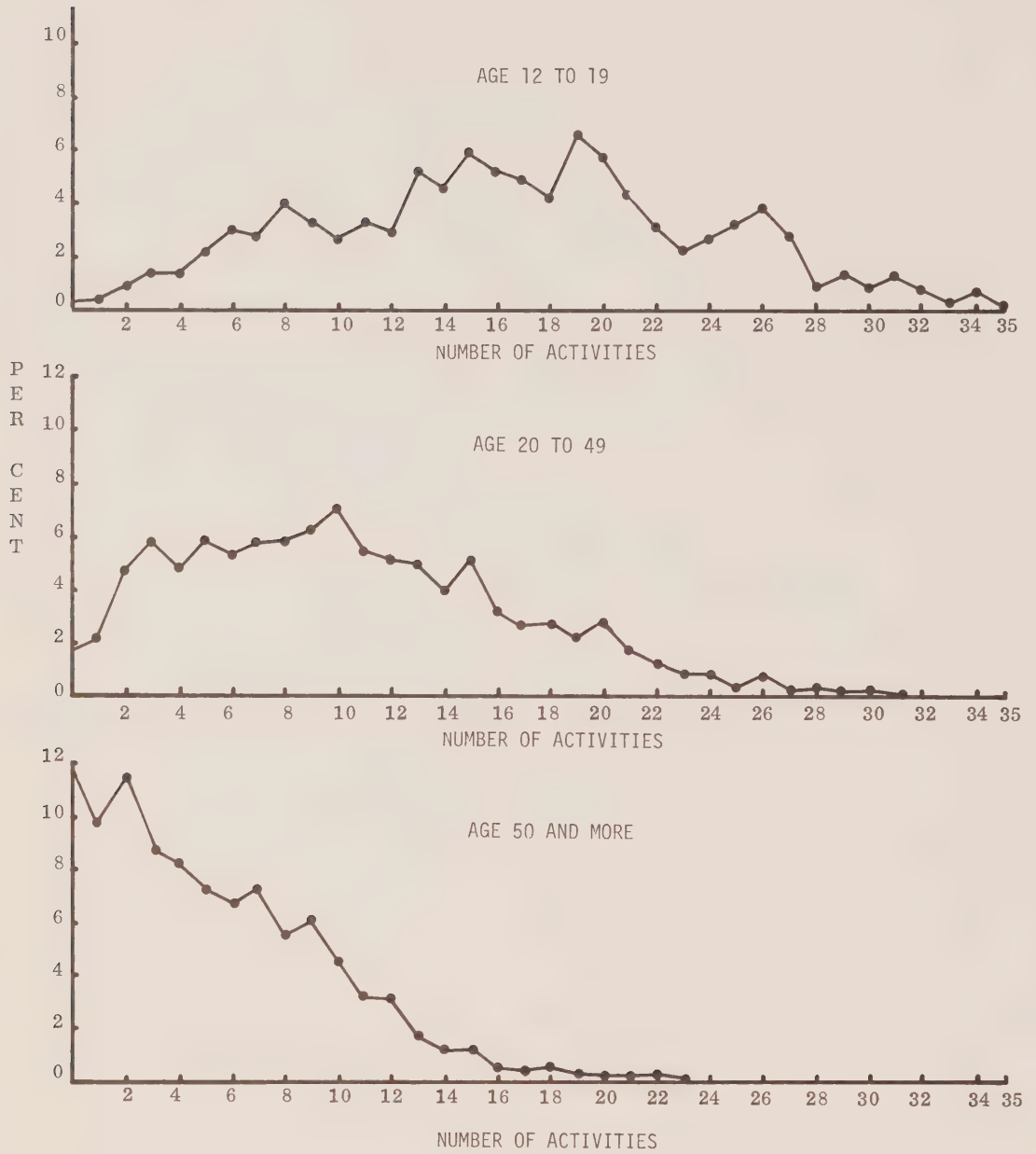
PERCENTAGE OF ONTARIO MALES IN EACH OF THREE AGE CATEGORIES  
BY THE NUMBER OF ACTIVITIES IN WHICH THEY PARTICIPATE ANNUALLY



Source: Table IV-1

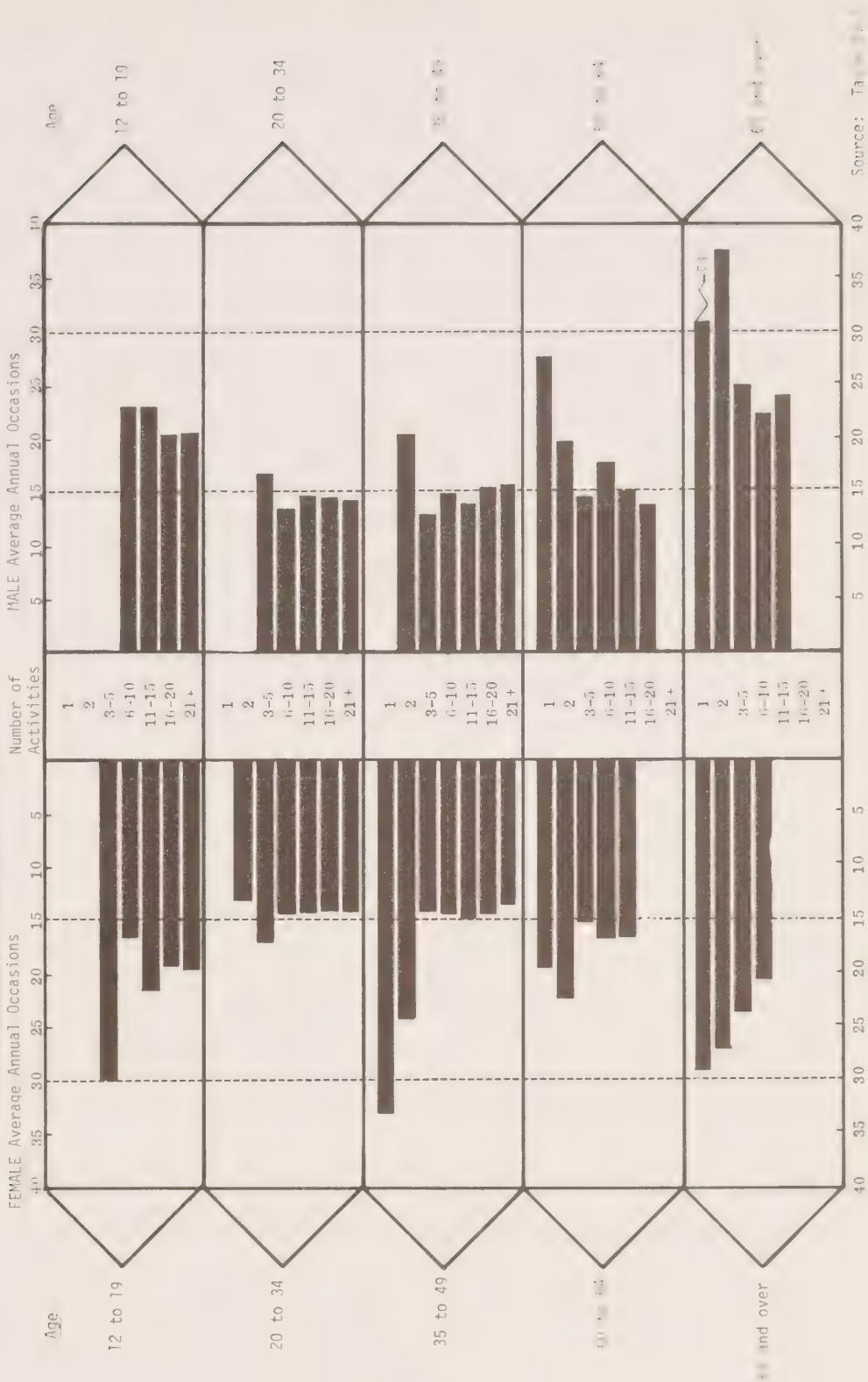
FIGURE IV-2

PERCENTAGE OF ONTARIO RESIDENTS IN EACH OF  
THREE AGE CATEGORIES BY THE NUMBER OF ACTIVITIES  
IN WHICH THEY PARTICIPATE ANNUALLY



Source: Table IV-1

FIGURE IV-3  
INTENSITY OF PARTICIPATION (NUMBER OF OCCASIONS PER ACTIVITY) AT DIFFERENT ACTIVITY LEVELS  
FOR AGE AND SEX CATEGORIES OF THE ONTARIO POPULATION



total (about 252 million occasions out of a total of 1,155 million, or about 22%). Across the levels of participation, the peak per cent (underlined) in the distribution for each age group drops from "21 or more" activities per year to "6 to 10" activities per year as age increases.

Table IV-3 shows the average annual occasions per activity in each of the levels of participation. Here also the highest (underlined) average frequency per activity drops several levels as age increases for both males and females. The lowest intensity of participation occurs between the ages of 20 and 64. A higher number of occasions per activity occurs with both younger (12 to 19) and older (65 and over) age groups (Table IV-3; also see Table ES-2 in the Executive Summary). This observation is consistent with the life styles of much of the population that works or raises a family between the ages of 20 and 64.

For those participants who do more than two activities per year, there is little variation, within any given age group, between the intensity of participation for relatively few activities (three to ten) and the intensity for many activities (11 or more) (Table IV-3). This would appear to contradict the notion that the more activities a person engages in (beyond one or two) the fewer times, on average, he will do each one.

### 3. EDUCATION OF RESIDENTS AND HEADS OF HOUSEHOLD

Table IV-4 gives estimates of the proportion of Ontario residents aged 12 and older at different levels of participation for each of five education categories. Table IV-7 gives the same estimates for

categories of education of the heads of household.

With both tables, the peak percentages in the distribution across levels of participation moves from six to ten activities per year for the category "Less than Grade 9" to 11 to 15 activities for the "University" group. Furthermore, in both tables, the distributional percentages for 16 to 20 and more than 20 activities of those with a university education are approximately double the percentages of those with less than grade 9 education. These trends indicate that with increasing education levels there is a greater proportion of the population doing more activities (see Figures IV-4 and IV-5).

Tables IV-5 and IV-8 show the estimated total and percentage distribution of occasions of participation in each activity level. The distribution of occasions by education level of the residents of Ontario (Table IV-5) shows some fluctuation in the peaks, whereas the distribution by education level of the heads of household shows very little variation (Table IV-8).

Table IV-6 shows the average annual number of occasions per activity in each activity level by the education level of Ontario participants. Table IV-9 shows similar estimates for the education level of the heads of household.

Generally, in both of these latter tables, the peak intensity for each education level drops in value from approximately 42 to 19 occasions per activity as education increases, but the location of the peak intensity moves from one activity to three to five activities as the level of education increases.

If the estimates of intensity of participation down the columns

TABLE IV-4  
NUMBER AND PERCENTAGE OF PARTICIPANTS IN EACH ACTIVITY LEVEL  
BY EDUCATION LEVELS OF THE ONTARIO POPULATION

Education	Activity Level							Total
	0	1	2	3 to 5	6 to 10	11 to 15	16 to 20	
Less than Grade 9	n 116 r 6.8%	116 6.8%	129 7.6%	367 21.7%	367 21.7%	237 14.0%	176 10.4%	1,696 100%
Grade 9 to 11, No Other	n 41 r 2.9	38 2.7	59 4.2	214 15.4	357 25.6	266 19.1	201 14.4	1,393 100
Grade 9 to 13	n 34 r 2.5	31 2.3	53 4.0	185 13.8	389 29.0	348 26.0	184 13.7	1,342 100

Note:

- 1. n = population estimate in 000's  
r = distribution of participants (row %)
- 2. Highest estimate for each education category is underlined

- Population estimate less than 10,000 or percentages less than 1.0

TABLE IV-4 (continued)

<u>Education</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3 to 5</u>	<u>6 to 10</u>	<u>11 to 15</u>	<u>16 to 20</u>	<u>More Than 20</u>	<u>Total</u>
Grade 12 to 13, Some Other	n 16 r 1.9	14 1.7	19 2.2	88 10.4	227 26.9	240 28.4	160 18.9	81 9.6	845 100
University	n - r -	15 2.0	- -	63 8.5	148 19.9	194 26.1	168 22.6	142 19.1	742 100

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- Population estimate less than 10,000 or percentages less than 1.0

TABLE IV-5  
ANNUAL TOTAL AND PERCENTAGE OF OCCASIONS IN EACH ACTIVITY LEVEL  
BY EDUCATION LEVELS OF ONTARIO PARTICIPANTS

Education	Activity Level							Total
	<u>1</u>	<u>2</u>	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	
Less than Grade 9	n 4,831 r 1.6%	5,979 2.0%	24,752 8.2%	47,886 15.9%	53,368 17.7%	60,651 20.1%	104,284 34.6%	301,751 100%
Grade 9 to 11, No Other	n 812 r -	2,217 -	16,246 5.7	42,387 14.8	52,313 18.3	64,830 22.7	106,704 37.4	285,509 100
Grade 9 to 13	n 502 r -	2,602 1.1	11,635 5.1	47,748 21.0	68,111 30.0	48,232 21.2	49,021 21.5	227,851 100
Grade 12 to 13, Some Other	n 513 r -	1,516 1.0	5,998 3.9	26,762 17.5	47,032 30.8	40,676 26.6	30,207 19.8	152,704 100
University	n 143 r -	711 -	4,458 2.9	23,116 15.0	39,545 25.7	38,442 25.0	47,661 30.9	154,076 100

Note:

1. n = estimate of total annual occasions in 000's  
r = distribution of occasions (row %)

2. Highest estimate for each education category is underlined

- Estimate of occasions less than 25,000 or percentages less than 1.0

TABLE IV-6

AVERAGE ANNUAL OCCASIONS PER ACTIVITY IN EACH ACTIVITY LEVEL  
BY EDUCATION LEVELS OF ONTARIO PARTICIPANTS

	<u>Activity Level</u>						
<u>Education</u>	<u>1</u>	<u>2</u>	<u>3 to 5</u>	<u>6 to 10</u>	<u>11 to 15</u>	<u>16 to 20</u>	<u>More Than 20</u>
Less than Grade 9	<u>41.8</u>	23.3	17.3	17.2	18.0	19.7	21.4
Grade 9 to 11, No Other	<u>21.3</u>	18.8	18.4	15.3	15.6	18.6	19.7
Grade 9 to 13	16.1	<u>24.7</u>	15.9	15.6	15.8	14.9	17.0
Grade 12 to 13, Some Other	-	-	<u>16.7</u>	14.6	15.3	14.3	15.8
University	-	-	18.0	19.2	15.6	12.9	13.7

Note:

1. Highest estimate for each education category is underlined

- Population estimate less than 20,000

TABLE IV-7

NUMBER AND PERCENTAGE OF PARTICIPANTS IN EACH ACTIVITY LEVEL  
BY EDUCATION LEVELS OF HEADS OF HOUSEHOLD IN ONTARIO

<u>Education</u>	<u>Activity Level</u>							<u>Total</u>
	<u>0</u>	<u>1</u>	<u>2</u>	<u>3 to 5</u>	<u>6 to 10</u>	<u>11 to 15</u>	<u>16 to 20</u>	
Less Than Grade 9	n 119 r 6.6%	112 6.2%	147 8.1%	387 21.5%	421 23.3%	284 15.7%	186 10.3%	1,804 100%
Grade 9 to 11, No Other	n 37 r 3.5	34 3.2	51 4.8	179 16.8	287 27.0	210 19.7	138 13.0	1,065 100
Grade 9 to 13	n 29 r 2.2	33 2.5	41 3.1	178 13.5	355 26.8	308 23.3	204 15.4	1,322 100

Note:

1. n = population estimate in 000's  
r = distribution of participants (row %)
2. Highest estimate for each education group is underlined

---

- Population estimate less than 10,000

TABLE IV-7 (continued)

Education	0	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	Total
Grade 12 to									
13, Some	n 12	13	14	83	226	221	148	114	831
Other	r 1.4	1.6	1.7	10.0	27.2	26.6	17.8	13.7	100
University									
n -	19	14	14	70	171	245	196	173	896
r -	2.1	1.6	1.6	7.8	19.1	27.3	21.9	19.3	100

- Population estimate less than 10,000

TABLE IV-8  
ANNUAL TOTAL AND PERCENTAGE OF OCCASIONS IN EACH ACTIVITY LEVEL  
BY EDUCATION LEVELS OF THE HEADS OF HOUSEHOLD

<u>Education</u>	<u>Activity Level</u>							<u>Total</u>
	<u>1</u>	<u>2</u>	<u>3</u> to <u>5</u>	<u>6</u> to <u>10</u>	<u>11</u> to <u>15</u>	<u>16</u> to <u>20</u>	<u>More Than 20</u>	
Less than Grade 9	n 4,778 r 1.7%	6,639 2.4%	25,109 9.2%	50,284 18.4%	61,384 22.4%	53,718 19.6%	71,798 26.2%	273,710 100%
Grade 9 to 11, No Other	n 731 r -	1,498 -	13,056 6.7	34,976 17.9	40,119 20.5	46,368 23.7	58,506 30.0	195,254 100
Grade 9 to 13	n 612 r -	2,123 -	9,768 3.7	43,338 16.6	59,498 22.7	59,524 22.7	86,912 33.2	261,775 100
Grade 12 to 13, Some Other	n 471 r -	1,042 -	6,718 3.7	30,545 17.0	46,939 26.1	41,702 23.2	52,629 29.2	180,046 100
University	n 189 r -	1,804 -	5,375 2.7	25,154 12.4	54,434 26.9	49,451 24.4	66,177 32.7	202,634 100

Note:

1. n = estimate of occasions in 000's  
r = distribution of occasions (row %)

2. Highest estimate for each education category is underlined

- Estimate of occasions less than 25,000 or percentages less than 1.0

TABLE IV-9

AVERAGE ANNUAL OCCASIONS PER ACTIVITY IN EACH ACTIVITY LEVEL  
BY EDUCATION LEVELS OF THE HEADS OF HOUSEHOLD

Education	Activity Level					
	<u>1</u>	<u>2</u>	<u>3 to 5</u>	<u>6 to 10</u>	<u>11 to 15</u>	<u>16 to 20</u>
Less than Grade 9	<u>42.9</u>	22.7	16.7	15.7	17.1	16.5
Grade 9 to 11, No Other	<u>21.1</u>	14.8	18.3	15.7	15.3	19.0
Grade 9 to 13	18.6	<u>25.7</u>	13.9	15.5	15.3	16.7
Grade 12 to 13, Some Other	-	-	<u>19.8</u>	16.9	16.7	15.9
University	-	-	<u>19.0</u>	18.0	17.3	14.2
						15.7

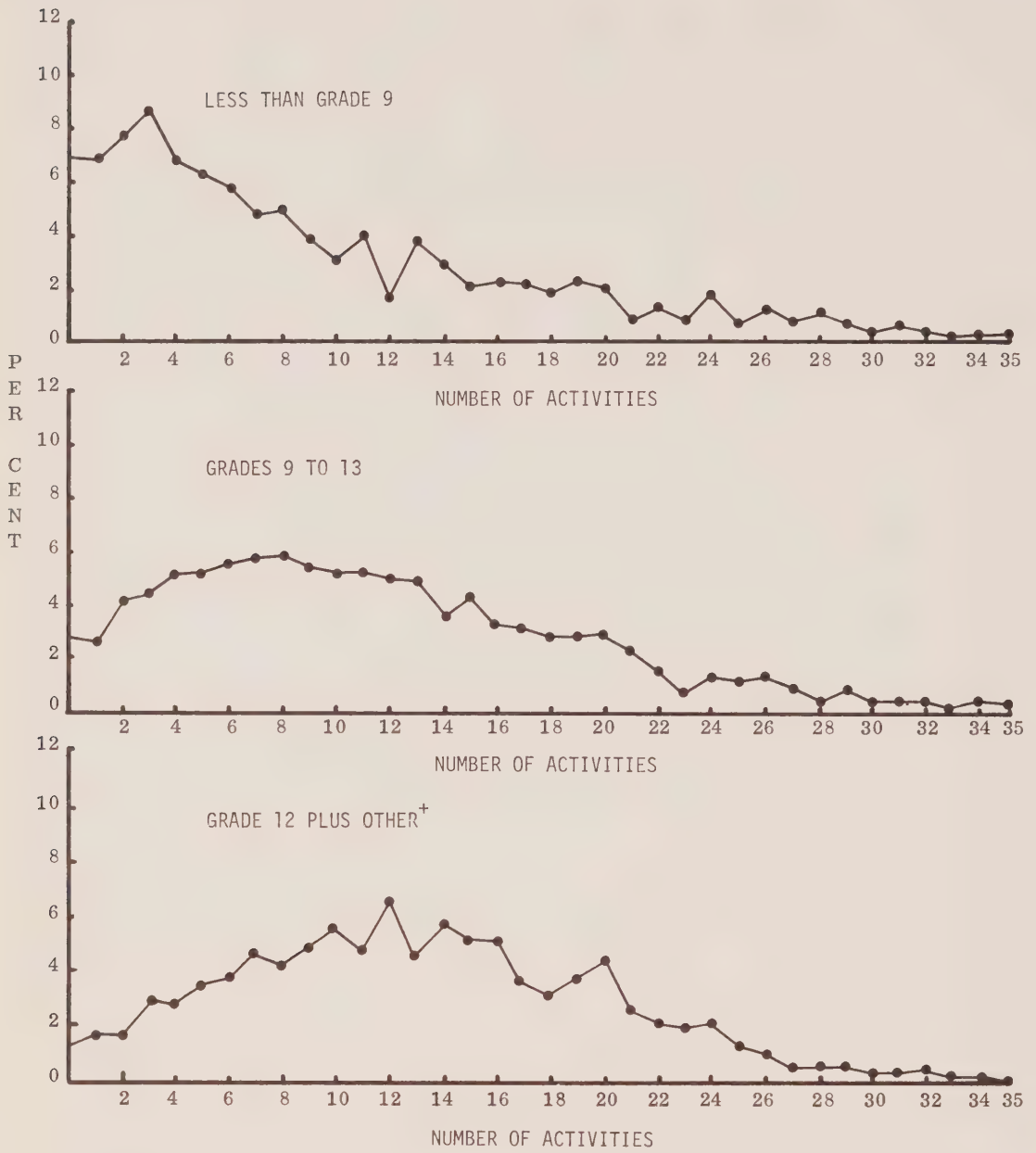
Note:

1. Highest estimate for each education category is underlined

- Population estimate less than 20,000

FIGURE IV-4

PERCENTAGE OF ONTARIO RESIDENTS IN EACH OF THREE EDUCATION LEVELS BY THE NUMBER OF ACTIVITIES IN WHICH THEY PARTICIPATE ANNUALLY

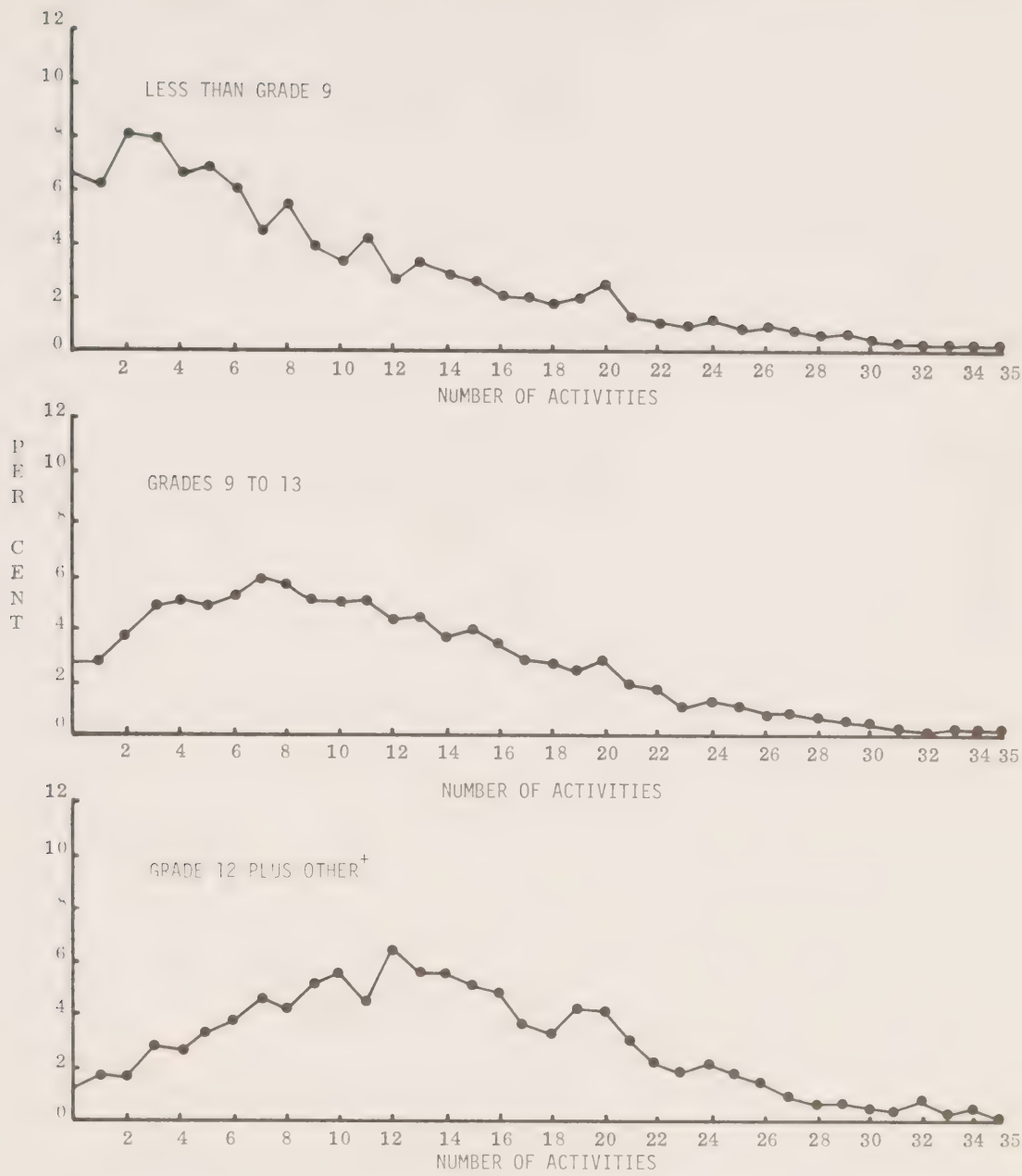


+ Includes two categories, grade 12 to 13, some other; and university

Source: Table IV-4

FIGURE IV-5

PERCENTAGE OF ONTARIO RESIDENTS IN EACH OF THREE EDUCATION LEVELS  
OF THE HEADS OF HOUSEHOLD BY THE NUMBER OF ACTIVITIES  
IN WHICH THEY PARTICIPATE ANNUALLY



+ Includes two categories, grade 12 to 13, some other; and university

Source: Table IV-7

of Tables IV-6 and IV-9 are inspected, it appears that the higher the level of education, the higher the intensity of participation for more activities. This, however, is only the case up to the level of six to ten activities. Once this level is reached, the trend is reversed and those categorized in the lower levels of education participate more frequently per activity than do those in the higher education categories. This effect is particularly noticeable at the level of "more than 20" activities.

#### 4. OCCUPATION OF THE HEADS OF HOUSEHOLD

Table IV-10 gives the number and the percentage of participants in each activity level according to the occupation of the heads of household.

The highest percentages for all but three occupation categories occur with six to ten activities. Compared to the average distribution of the participating population across activity levels both the technological, social and cultural and other primary occupations are over-represented at the level of 11 to 15 activities per year. Farming or horticultural occupations are over-represented at the three to five activity level. The other stated occupations are fairly consistent with the overall distribution across the activity levels except that the managerial or administrative, the technological, social and cultural and the sales categories have a higher representation for more than 20 activities than the average population of participants. At the other end of the scale, the services, farming and processing occupations display the highest proportion of non-participants (among those who stated their occupations).

TABLE IV-10  
NUMBER AND PERCENTAGE OF PARTICIPANTS IN EACH ACTIVITY LEVEL  
BY OCCUPATION OF THE HEADS OF HOUSEHOLD

Occupation	Activity Level							Total 100%	Total 100%
	0	2	5 to	11 to	15	20	25		
Managerial, Administrative and Related	-	-	63	181	136	118	118	100	100
	-	-	10.4	22.5	17.2	15.2	15.2	100	100
Technological, Social and Cultural	1	20	63	118	191	118	118	100	100
	2.7	8.4	10.4	25.4	22.5	15.2	15.2	100	100
Clerical and Related	-	23	74	118	118	118	118	100	100
	3.1	8.4	10.4	25.4	22.5	15.2	15.2	100	100
Sales	-	12	64	118	118	118	118	100	100
	-	2.4	13.0	10.4	25.4	22.5	15.2	100	100
Service	25	29	107	118	118	118	118	100	100
	3.1	5.3	19.5	10.4	25.4	22.5	15.2	100	100
Farming, Horti- cultural and Animal Husbandry	19	21	22	69	46	46	46	100	100
	6.2	7.1	7.4	23.3	15.2	15.2	15.2	100	100
Other Primary	-	-	12	11	21	11	11	100	100
	-	-	12.0	10.4	21.0	10.4	10.4	100	100
Processing	11	18	59	11	21	11	11	100	100
	4.2	5.1	16.6	10.4	21.0	10.4	10.4	100	100
Machinery, Product Fabricating and Construction Trades	14	53	73	251	11	11	11	100	100
	4.5	16.5	16.5	85.0	0.4	10.4	10.4	100	100
Other Occupations	21	32	97	114	156	11	11	100	100
	6.2	5.0	15.0	29.1	34.1	11.0	11.0	100	100
Occupations Not Stated	28	26	61	61	49	29	29	100	100
	8.6	8.0	18.9	15.0	12.1	10.4	10.4	100	100
Distribution of all Participants	6.6	4.5	15.2	24.7	21.4	15.2	15.2	100	100

Note:

1. e = population estimate in 000's  
r = distribution of occupation group (row %)
2. Highest estimate for each occupation category is underlined

- Population estimate less than 10,000

TABLE IV-11  
ANNUAL TOTAL AND PERCENTAGE OF OCCASIONS IN EACH ACTIVITY LEVEL  
BY OCCUPATION OF THE HEADS OF HOUSEHOLD

		Activity Level							Total
Occupation		1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	
Managerial, Administrative and Related	n	51	434	3,862	23,026	23,461	33,963	42,577	127,374
	r	-	-	3.0%	18.1%	18.4%	26.7%	<u>33.4%</u>	100%
Technological, Social and Cultural	n	498	2,289	4,549	25,294	40,937	39,925	54,164	167,656
	r	-	1.4	2.7	15.1	24.4	23.8	<u>32.3</u>	100
Clerical and Related	n	183	768	5,340	11,192	19,317	15,865	19,908	72,573
	r	-	1.1	7.4	15.4	26.6	21.9	<u>27.4</u>	100
Sales	n	53	713	6,104	14,665	24,182	28,292	38,364	112,373
	r	-	-	5.4	13.1	21.5	25.2	<u>34.1</u>	100
Service	n	1,161	1,938	6,360	15,896	19,612	24,471	22,860	92,298
	r	1.3	2.1	6.9	17.2	21.2	<u>26.5</u>	24.8	100
Farming, Horticultural and Animal Husbandry	n	143	1,074	2,857	5,652	6,255	7,354	10,464	33,799
	r	-	3.2	8.5	16.7	18.5	21.8	<u>31.0</u>	100
Other Primary	n	275	104	1,058	3,815	7,095	6,246	4,547	23,140
	r	1.2	-	4.6	16.5	<u>30.7</u>	27.0	19.6	100
Processing	n	103	634	4,999	15,083	15,897	12,329	12,794	61,839
	r	-	1.0	8.1	24.4	<u>25.7</u>	19.9	20.7	100
Machinery, Product Fabricating and Construction Trades	n	2,587	3,649	16,097	43,288	65,753	58,360	88,472	278,206
	r	-	1.3	5.8	15.6	23.6	21.0	<u>31.8</u>	100
Other Occupations	n	746	406	5,533	20,569	33,430	24,058	38,809	123,551
	r	-	-	4.5	16.6	27.1	19.5	<u>31.4</u>	100
Occupations Not Stated	n	1,020	1,186	5,661	9,232	13,327	7,110	12,183	49,719
	r	2.1	2.4	11.4	18.6	<u>26.8</u>	14.3	24.5	100

Note:

1. n = estimate of total annual occasions in 000's  
r = distribution of occasions (row %)
2. Highest estimate for each occupation category is underlined

- Estimate of occasions less than 25,000 or percentages less than 1.0

TABLE IV-12  
AVERAGE ANNUAL OCCASIONS PER ACTIVITY IN EACH ACTIVITY LEVEL  
BY OCCUPATION OF THE HEADS OF HOUSEHOLD

Occupation	Activity Level						
	<u>1</u>	<u>2</u>	<u>3</u> to <u>5</u>	<u>6</u> to <u>10</u>	<u>11</u> to <u>15</u>	<u>16</u> to <u>20</u>	More than <u>20</u>
Managerial, Administrative and Related	-	-	15.9	17.6	13.6	16.6	17.8
Technological, Social and Cultural	-	58+	18.1	20.4	16.8	13.9	16.3
Clerical and Related	-	17+	17.1	13.8	16.0	16.9	18.0
Sales	-	-	23.3	15.6	17.1	17.0	20.4
Service	46+	33.3	15.0	15.5	15.4	20.2	17.2
Farming, Horticultural and Animal Husbandry	7+	24+	10.7	11.1	11.2	14.6	17+

Note:

1. Highest estimate for each occupation category is underlined

- Estimate of occasions less than 20,000

+ Due to extremely small sample size, estimates should be interpreted with caution

TABLE IV-12 (continued)

<u>Occupation</u>	<u>1</u>	<u>2</u>	<u>3</u> to <u>5</u>	<u>6</u> to <u>10</u>	<u>11</u> to <u>15</u>	<u>16</u> to <u>20</u>	<u>More Than 20</u>
Other Primary	-	-	-	21+	21.5	-	-
Processing	-	-	21.4	19.5	17.0	15.2	16.1
Machinery, Product Fabricating and Construction Trades	48.6	25.0	16.1	14.2	16.8	15.9	19.4
Other Occupations	37+	6.4	14.3	15.6	16.9	19.3	21.1
Occupations Not Stated	37.8	22.9	24.9	17.8	21.6	13.5	14.5

---

- Estimate of occasions less than 20,000

+ Due to extremely small sample size, estimates should be interpreted with caution

Table IV-11 gives the total and distributional percentages of the annual occasions at each level of participation. The highest percentage of total occasions is at the more than 20 level of participation for seven of the ten categories of occupation. The exceptions are for processing and other primary occupations, where there is a peak at 11 to 15 activities and the service or related occupations where there is a peak at 16 to 20 activities per year.

In Table IV-12 the intensity of participation (average annual occasions per activity) is given for each activity level for each occupation of the heads of household. Many of the estimates are either not given or asterisked due to insufficient or low cell size.

Inspection of the estimates above the level of one or two activities shows a relatively stable intensity of participation within and between occupations. The farming occupations (generally) have lower estimates than other occupation categories.

## 5. HOUSEHOLD INCOME

Table IV-13 shows the relationship between level of participation and total gross household income in terms of the estimated number and percentage distribution of participants. The highest percentage in all but three of the eight income categories is at the same activity level "6 to 10" as is the peak for the average distribution of all participants.

For households with less than \$3,000 gross annual household income, the largest proportion of participants engage in only three to five activities per year. On the other hand, for households with between \$15,000 and \$24,999 gross annual household income, the

largest proportion of participants engage in 11 to 15 activities annually. This effect can also be seen in Figure IV-6 where the curve is skewed toward fewer activities for incomes of under \$10,000.

This trend of higher participation levels with higher incomes is further emphasized by the fact that approximately 16 per cent of people in households with less than \$3,000 income are non-participants (doing zero activities) compared to only one per cent of those in households with an annual income of \$25,000 or over. The reverse trend is observed for the upper level of participation (more than 20 activities), with only 3.6 per cent of participants in this level from households with \$3,000 or less income, but 21.5 per cent from households with \$25,000 or more annual income.

From Table IV-14, which shows the annual total and distribution of occasions of participation, it can be seen that all but the two lowest income groups have representation across activity levels that is roughly proportional to the normal distribution, which is shown at the bottom of Table IV-2. Households with an annual gross income of less than \$6,000 are over-represented in the six to ten activity level. In other words, approximately 25 per cent of the occasions done by these income groups are by those participating in six to ten activities per year, whereas only 16.5 per cent of the occasions done by all of Ontario's participants are by those participating in six to ten activities (from Table IV-2).

Table IV-15 shows the annual average occasions per activity for the categories of household income. It can be seen by inspecting each column that the three lowest household income groups do the

TABLE IV-13

NUMBER AND PERCENTAGE OF PARTICIPANTS IN EACH ACTIVITY LEVEL  
BY CATEGORIES OF HOUSEHOLD INCOME

Household Income	Activity Level								Total
	0	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	
Less than \$3,000	n 36 r 16.1	22 9.8	29 12.9%	51 22.8%	46 20.5%	17 7.6%	15 6.7%	-	224 100
\$3,000 to \$5,999	n 39 r 7.7	41 8.1	32 6.3	119 23.4	124 24.4	84 16.5	40 7.9	30 5.9	509 100
\$6,000 to \$9,999	n 29 r 3.0	33 3.4	48 4.9	179 18.3	266 27.2	204 20.9	118 12.1	100 10.2	977 100
\$10,000 to \$11,999	n 20 r 2.6	21 2.7	42 5.4	135 17.4	187 24.2	183 23.6	106 13.7	81 10.5	775 100

Note:

- 1. n = population estimate in 000's  
r = distribution of income groups (row %)
- 2. Highest estimate in each income category is underlined

- Population estimate less than 10,000

TABLE IV-13 (continued)

Household Income	0	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	Total
\$12,000 to \$14,999	n r	- 2.2	19 2.1	91 10.0	245 26.9	235 25.8	165 18.1	127 13.9	911 100
\$15,000 to \$19,999	n r	- 1.8	20 2.6	91 12.0	175 23.0	184 24.2	149 19.6	121 15.9	760 100
\$20,000 to \$24,999	n r	- -	9 2.2	44 10.6	86 20.6	108 25.9	86 20.6	77 18.5	417 100
\$25,000 and over	n r	- -	- -	31 10.0	73 23.5	65 20.9	59 19.0	67 21.5	311 100
Refused or Unknown	n r	74 5.9	57 4.5	193 15.3	315 25.0	231 18.4	170 13.5	153 12.1	1,259 100

- Population estimate less than 10,000

TABLE IV-14  
ANNUAL TOTAL AND PERCENTAGE OF OCCASIONS IN EACH ACTIVITY LEVEL  
BY CATEGORIES OF HOUSEHOLD INCOME

Household Income	Activity Level							Total
	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	
Less than \$3,000	n 603 r 2.4%	1,042 4.2%	4,012 16.0	6,322 25.2	4,144 16.5%	3,655 14.6	5,307 21.2	25,025 100%
\$3,000 to \$5,999	n 1,773 r 2.6	1,938 2.8	9,341 13.5	17,378 25.4	16,873 24.7	11,015 16.1	10,126 14.4	68,344 100
\$6,000 to \$9,999	n 1,266 r -	2,219 1.3	9,897 5.7	34,042 19.8	43,023 25.0	35,771 20.8	45,994 26.7	172,212 100
\$10,000 to \$11,999	n 750 r -	1,651 1.2	9,318 6.7	22,533 16.2	35,419 25.4	31,940 22.9	37,807 27.1	139,418 100
\$12,000 to \$14,999	n 563 r -	1,779 -	4,690 2.4	27,946 14.1	47,671 24.0	50,025 25.2	66,123 23.3	198,799 100
\$15,000 to \$19,999	n - r -	775 -	6,051 3.8	20,142 12.6	37,830 23.6	42,027 26.2	53,628 33.4	160,462 100
\$20,000 to \$24,999	n - r -	459 -	3,568 3.6	14,223 14.1	24,071 23.9	24,768 24.6	33,424 33.2	170,525 100
\$25,000 and over	n - r -	268 -	1,956 3.0	9,407 14.3	15,062 23.0	15,749 24.0	23,115 35.2	69,475 100

Note:

1. n = estimate of total annual occasions in 000's  
r = distribution of occasions (row %)
2. Highest estimate in each income category is underlined

- Estimate of occasions less than 25,000 or percentages less than 1.0

TABLE IV-15  
AVERAGE ANNUAL OCCASIONS PER ACTIVITY IN EACH ACTIVITY LEVEL  
BY CATEGORIES OF HOUSEHOLD INCOME

Household Income	Activity Level						
	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20
Less than \$3,000	27+	18.4	20.9	18.5	-	-	-
\$3,000 to \$5,999	42.8	29.7	20.2	18.8	15.9	16.1	13.8
\$6,000 to \$9,999	38.5	23.2	13.9	32.3	16.8	17.5	18.2
\$10,000 to \$11,999	36+	19.7	17.4	30.5	15.5	16.8	19.0
\$12,000 to \$14,999	28+	-	12.8	28.9	16.0	17.6	20.8
\$15,000 to \$19,000	-	19+	15.8	27.6	16.4	16.0	17.8
\$20,000 to \$24,999	-	-	20.2	41.4	17.5	16.3	17.4
\$25,000 and over	-	-	15.3	32.0	17.6	15.1	13.7

Note:

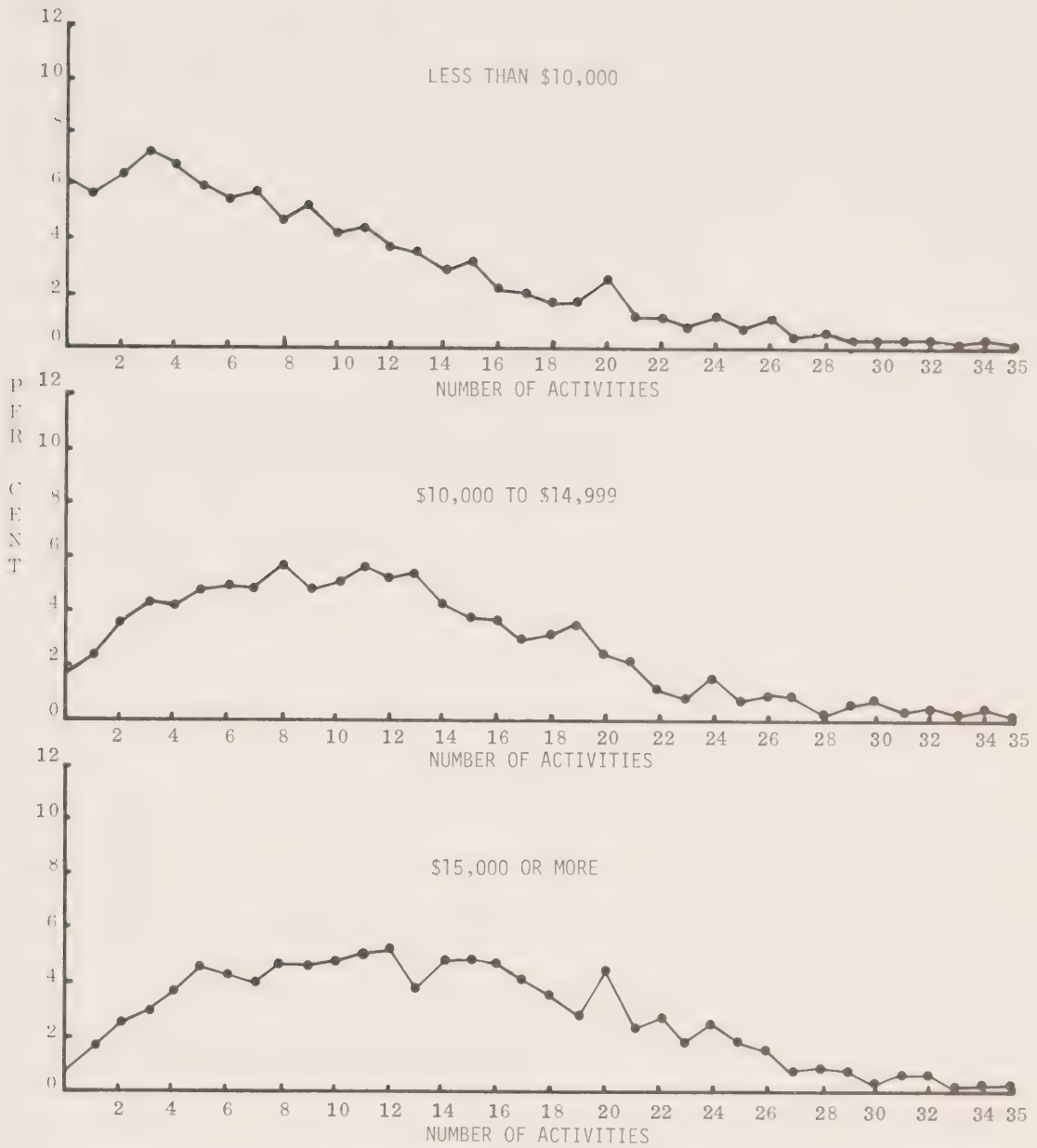
1. Highest estimate for each occupation category is underlined

- Estimate of occasions less than 20,000

+ Due to extremely small sample size, estimates should be interpreted with caution

FIGURE IV-6

PERCENTAGE OF ONTARIO RESIDENTS IN EACH OF THREE HOUSEHOLD INCOME CATEGORIES  
BY THE NUMBER OF ACTIVITIES IN WHICH THEY PARTICIPATE ANNUALLY



Source: Table IV-13

fewest activities most frequently. The two highest income groups do the middle range of activities (six to fifteen) most frequently, and the middle income group of \$12,000 to \$14,999 does 16 or more activities most frequently. This finding supports the notion that the most intensive participation is in neither the highest nor lowest income categories, rather it is in the middle income range.

## 6. COMMUNITY SIZE

Table IV-16 gives the percentages of participants engaged at each level of participation according to the community size. The category "Less than 5,000" represents rural areas and small towns in Ontario while the category "500,000 and over" represents Metropolitan Toronto.

The highest proportion of participants in communities of all sizes except 25,000 to 49,999 participate in six to ten activities annually. For these communities, the highest proportion of participants engage in 11 to 15 activities annually.

At the low levels of participation, (zero, one or two activities) the proportions of participants are similar for communities of all sizes. Communities between 10,000 and 24,999 have the highest proportion of participants doing most activities (more than 20), while Metropolitan Toronto has the lowest proportion of participants doing that many activities.

The curves showing the percentage of residents in each of three sizes of community by the number of activities participated in annually (Figure IV-7) are all very similar. This may indicate that although the aggregate incidence of participation shows little variation, the type of activities done may vary widely between

TABLE IV-16  
NUMBER AND PERCENTAGE OF PARTICIPANTS IN EACH ACTIVITY LEVEL  
BY COMMUNITY SIZE

Community Size	Activity Level							Total
	0	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20
Less than 5,000	n 63 r 4.2%	62 4.1%	62 4.1%	226 14.9%	347 22.9%	338 22.3%	214 14.1	1,513 100
5,000 to 9,999	n 11 r 4.3	12 4.7	14 5.5	42 16.5	66 26.0	45 19.7	34 11.8	254 100
10,000 to 24,999	n 14 r 4.5	-	14 4.5	41 13.1	70 22.4	63 20.1	46 14.7	312 100
25,000 to 49,999	n - r -	-	20 7.9	47 18.6	50 19.8	58 22.9	33 13.0	253 100

Note:

- 1. n = population estimates in 000's
- r = distribution of community size categories (row %)

- Population estimate less than 10,000

TABLE IV-16 (continued)

<u>Community Size</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3 to 5</u>	<u>6 to 10</u>	<u>11 to 15</u>	<u>16 to 20</u>	<u>More Than 20</u>	<u>Total</u>
50,000 to 99,999	n 26 r 3.2	22 2.7	26 3.2	96 11.8	198 <u>24.3</u>	189 23.2	144 17.7	113 13.9	814 100
100,000 to 499,999	n 35 r 2.8	42 3.4	57 4.6	181 14.7	311 <u>25.3</u>	261 21.2	203 16.5	139 11.3	1,229 100
500,000 and over	n 63 r 3.7	69 4.1	82 4.8	301 17.8	455 <u>26.8</u>	335 20.9	221 13.0	169 10.0	1,695 100

TABLE IV-17

ANNUAL TOTAL AND PERCENTAGE OF OCCASIONS IN EACH ACTIVITY LEVEL  
BY COMMUNITY SIZE

Community size	Activity Level							Total
	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More than 20	
Less than 5,000	n 1,421 r -	8,025 1.1	14,213 4.8	43,454 14.9%	62,415 23.4	47,041 22.9	95,078 33.4	293,201 100
5,000 to 9,999	n 40 r -	631 1.3	3,147 6.4	8,085 16.5	10,472 21.8	8,639 17.7	17,400 35.1	48,896 100
10,000 to 24,999	n 61 r -	556 -	2,005 4.0	10,182 12.7	14,011 20.0	15,289 20.6	30,811 30.0	74,165 100
25,000 to 49,999	n 116 r -	376 1.7	3,443 6.8	5,637 11.0	9,777 19.4	10,355 20.6	20,214 40.1	50,318 100
50,000 to 99,999	n 951 r -	1,352 -	8,032 4.5	28,032 15.7	42,330 24.0	44,564 24.9	53,063 29.7	178,833 100
100,000 to 499,999	n 1,009 r -	5,037 1.4	11,671 5.3	40,373 18.3	52,000 23.7	52,739 23.9	59,213 26.9	220,210 100
500,000 and over	n 2,793 r -	3,751 1.3	20,177 7.0	54,787 19.0	53,696 25.5	61,185 21.1	72,598 25.1	288,993 100

Notes:

1. n = estimate of total annual occasions in 000's  
r = distribution of occasions (row %)
2. Highest estimate in each community size category is underlined

- Estimate of occasions less than 25,000 and percentages less than 1.0

TABLE IV-18  
AVERAGE ANNUAL OCCASIONS PER ACTIVITY IN EACH ACTIVITY LEVEL  
BY COMMUNITY SIZE

Community Size	Activity Level						
	<u>1</u>	<u>2</u>	<u>3</u> to <u>5</u>	<u>6</u> to <u>10</u>	<u>11</u> to <u>15</u>	<u>16</u> to <u>20</u>	<u>More Than 20</u>
Less than 5,000	24.8	<u>24.9</u>	15.8	15.9	15.9	17.5	18.5
5,000 to 9,999	-	-	18.3	15.1	18.4	16.6	19.8
10,000 to 24,999	-	-	18.1	18.4	18.3	19.0	21.1
25,000 to 49,999	-	21+	18.6	14.1	13.9	17.8	21.4
50,000 to 99,999	44+	<u>26.5</u>	21.2	17.8	17.5	17.3	18.5
100,000 to 499,999	25.8	<u>26.9</u>	15.9	16.4	15.6	14.5	17.1
500,000 and over	<u>40.3</u>	22.8	17.2	15.1	16.8	15.4	16.8

Note:

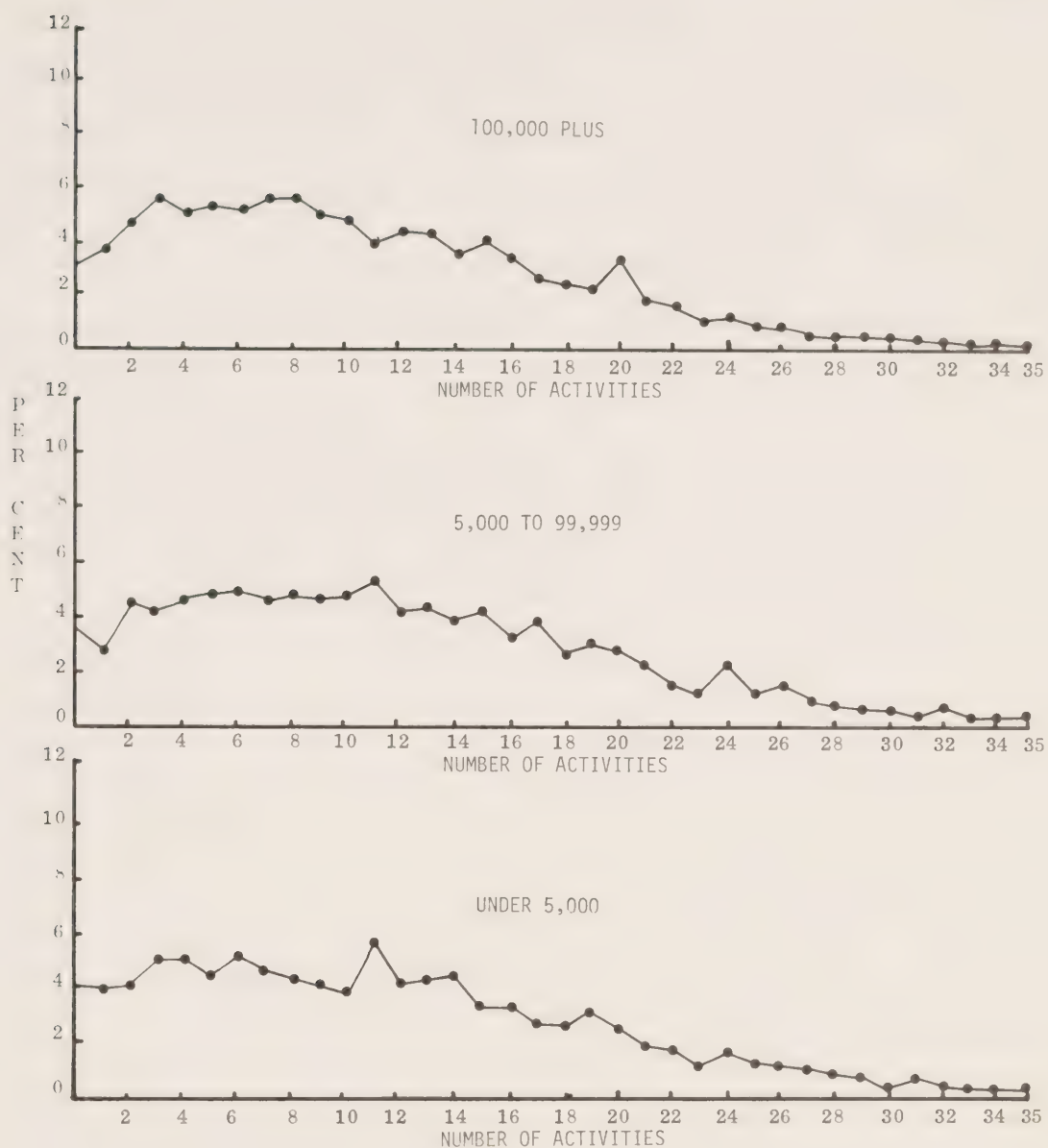
1. Highest estimate for each occupation category is underlined

- Estimate of occasions less than 20,000

+ Due to extremely small sample size, estimates should be interpreted with caution

FIGURE IV-7

PERCENTAGE OF ONTARIO RESIDENTS IN EACH OF THREE COMMUNITY SIZE CATEGORIES  
BY THE NUMBER OF ACTIVITIES IN WHICH THEY PARTICIPATE ANNUALLY



Source: Table IV-16

communities of different size.

Table IV-17 gives the annual total and the distribution of occasions. The provincial distribution of the number of occasions (Table IV-2) shows that participants engaging in more than 20 activities per year contribute approximately 30 per cent of the provincial total. In Table IV-17, however, participants from communities with a population between 10,000 and 49,999 contribute approximately 40 per cent (i.e., are over-represented in the distribution) and Metropolitan Toronto contributes about 25 per cent of the total occasions for more than 20 activities.

Also in Table IV-18, which shows the average number of occasions per activity for communities of different sizes, the general tendency is toward a higher intensity of participation (beyond the level of one or two activities) for communities of 10,000 to 24,999 or 50,000 to 99,999 than for those larger or smaller. Recreationists in rural areas or in cities over 100,000 in size generally participate on fewer occasions per activity annually than those people in the middle range of community size.

## 7. NORTHERN, SOUTHERN AND ALL OF ONTARIO

The final three tables give the estimates for Northern, Southern and the entire Province. Table IV-19 gives the percentage of participants at each level of participation, and Table IV-20 gives the annual total and percentage distribution of occasions at each level of participation. Table IV-21 gives the intensity of participation (the average annual occasions per activity).

The underlined estimates in all three tables are higher than the provincial average. The proportion of both the number of participants (Table IV-19) and annual occasions (Table IV-20) for Southern Ontario is higher than the provincial average at the lower levels of participation (zero to ten activities). Northern Ontario presents the reverse trend, having higher proportions of both participants and occasions at the higher levels of participation.

Across the Province, the general pattern is that the largest group of the population engages in six to ten activities, and fewer people engage in zero, one or two activities, (11.7%) than in more than 20 activities (12.4%). Although the largest group does six to ten activities per year, the largest percentage of occasions (30%) is generated by participants engaging in more than 20 activities per year. Furthermore, whereas 9.2 per cent of the estimated sampled population reside in Northern Ontario, 11.3 per cent of the total annual occasions (130 million out of a total of 1,158 million) are generated by northern residents.

With regard to the intensity of participation (Table IV-21) across the Province, the highest frequency occurs for those doing only one activity (31.8 times per year). The intensity of participation is generally low (approximately 16 times per activity annually) for the participants who engage in six to twenty activities in a year, but it is higher for those who engage in few activities (two to five) and for those who do many activities (21 or more).

TABLE IV-19

NUMBER AND PERCENTAGE OF PARTICIPANTS IN EACH ACTIVITY LEVEL  
FOR SOUTHERN, NORTHERN AND ALL OF ONTARIO

<u>Area</u>	<u>Activity Level</u>							<u>Total</u>
	<u>0</u>	<u>1</u>	<u>2</u>	<u>3 to 5</u>	<u>6 to 10</u>	<u>11 to 15</u>	<u>16 to 20</u>	
Southern Ontario	n 204	206	256	876	1,398	1,187	804	5,580
	r <u>3.7%</u>	<u>3.7%</u>	<u>4.6%</u>	<u>15.7%</u>	<u>25.0%</u>	<u>21.3%</u>	<u>14.4%</u>	<u>90.8%</u>
Northern Ontario	n 15	13	19	56	118	125	103	564
	r 2.7	2.3	3.4	9.9	20.9	<u>22.2</u>	<u>18.3</u>	9.2
All of Ontario	n 219	219	275	932	1,516	1,312	907	6,144
	r 3.6	3.6	4.5	15.2	24.7	21.4	14.8	100

Note:

1. n = population estimate in 000's  
r = distribution (row%)

2. Underlined estimates are higher than provincial average

TABLE IV-27  
ANNUAL TOTAL AND PERCENTAGE OF OCCASIONS IN EACH ACTIVITY LEVEL  
FOR SOUTHERN, NORTHERN AND ALL OF ONTARIO

Area	Activity Level							Total
	1	2	3 to 5	6 to 10	11 to 15	16 to 20	More Than 20	
Southern Ontario	n 6,320 r 0.6%	12,639 1.2%	60,454 5.9%	174,903 17.1%	246,940 24.1%	229,210 22.4%	293,497 28.7%	1,323,463 88.7%
Northern Ontario	n 634 r 0.5	649 0.5	3,234 2.5	15,721 12.0	25,439 19.5	30,559 23.4	54,243 41.5	130,479 11.3
All of Ontario	n 6,954 r 0.6	13,288 1.2	63,688 5.5	190,624 16.5	272,379 23.6	259,769 22.5	347,740 30.1	1,154,442 100

- Note:
1. n = estimate of total annual occasions in 000's  
r = distribution (row %)
  2. Underlined estimates are higher than provincial average

TABLE IV-21

AVERAGE ANNUAL OCCASIONS PER ACTIVITY IN EACH ACTIVITY LEVEL  
FOR SOUTHERN, NORTHERN AND ALL OF ONTARIO

Area	Activity Level					
	<u>1</u>	<u>2</u>	<u>3 to 5</u>	<u>6 to 10</u>	<u>11 to 15</u>	<u>16 to 20</u>
Southern Ontario	30.7	<u>24.7</u>	<u>17.3</u>	16.1	16.4	16.2
Northern Ontario	-	-	-	<u>16.3</u>	16.4	<u>17.2</u>
All of Ontario	31.8	24.2	17.2	16.1	16.4	16.3
						18.3
						18.2
						18.8

Note:

1. Underlined estimates are higher than provincial average

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- Population estimate less than 20,000

## CHAPTER V

### MONTH-TO-MONTH VARIATION IN PARTICIPATION FOR SELECTED ACTIVITIES

This chapter discusses the amount of participation estimated to occur each month in 15 activities. Derivation of these estimates of monthly participation is explained in Appendix C.

The most and least popular months for doing each activity can be seen in Figure V-1. For example, the most popular months for swimming are July and August and the least popular are December, January and February. In general, there are high and low months of activity participation (i.e., an activity has a peak period in either the summer or the winter months and is least popular in the alternate season). None of the 15 selected activities appear to peak in the spring or fall months. Some activities have more variability between months than others in the amount of participation (i.e., have higher peaking). An example of an activity with high variability between months is swimming where a relatively high percentage (as compared to other activities) of participation occurs in July and August and a relatively low percentage occurs in December and January.

Of the 15 activities in Figure V-1, swimming, fishing, boating, camping, golfing, recreational snowmobiling, snowshoeing or cross-country skiing and hockey all exhibit similar high peaking patterns. Some of these activities peak in the summer, others in the winter.

Participation in some activities does not vary much from month to month (i.e., these activities have low peaking). Examples of such activities are hiking and alley bowling.

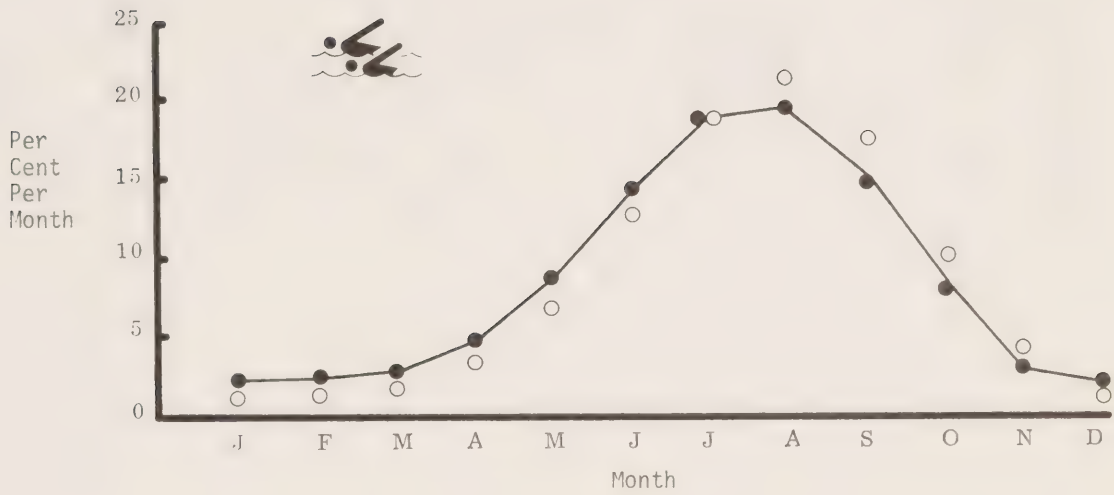
Of the activities with summer peaking, horseback riding, visiting an historic site or display and visiting a museum or art gallery peak more for Northern Ontario residents than Southern, and hiking, boating, golfing and tennis peak a bit more for Southern than Northern Ontario residents. In winter, peaking is pronounced in the south for ice hockey and recreational snowmobiling and in the north for snowshoeing or cross-country skiing.

FIGURE V-1

PERCENTAGE OF TOTAL ANNUAL OCCASIONS OCCURRING EACH  
MONTH IN SELECTED RECREATIONAL ACTIVITIES

- All of Ontario
- Southern Ontario
- Northern Ontario

Swimming



Fishing

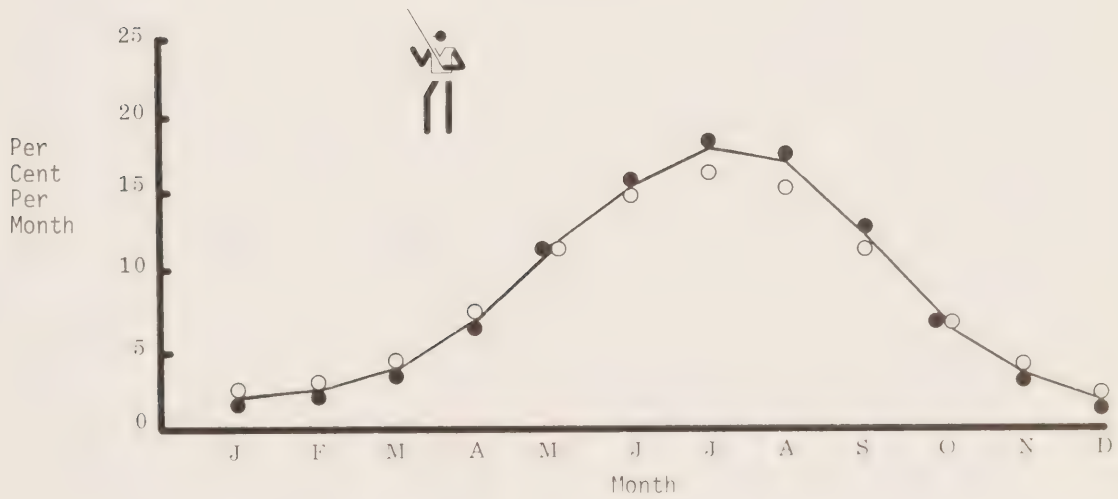
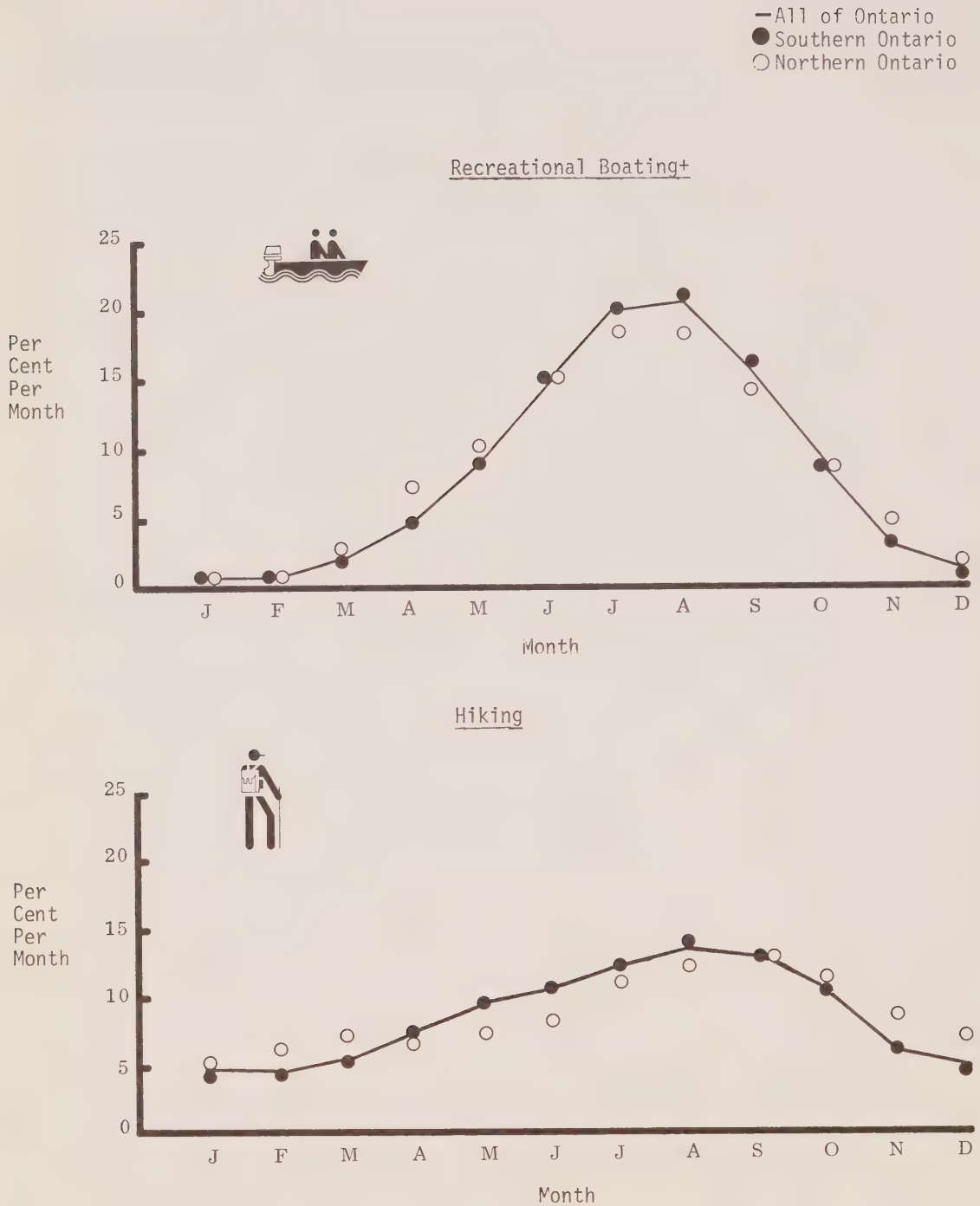


FIGURE V-1 (continued)

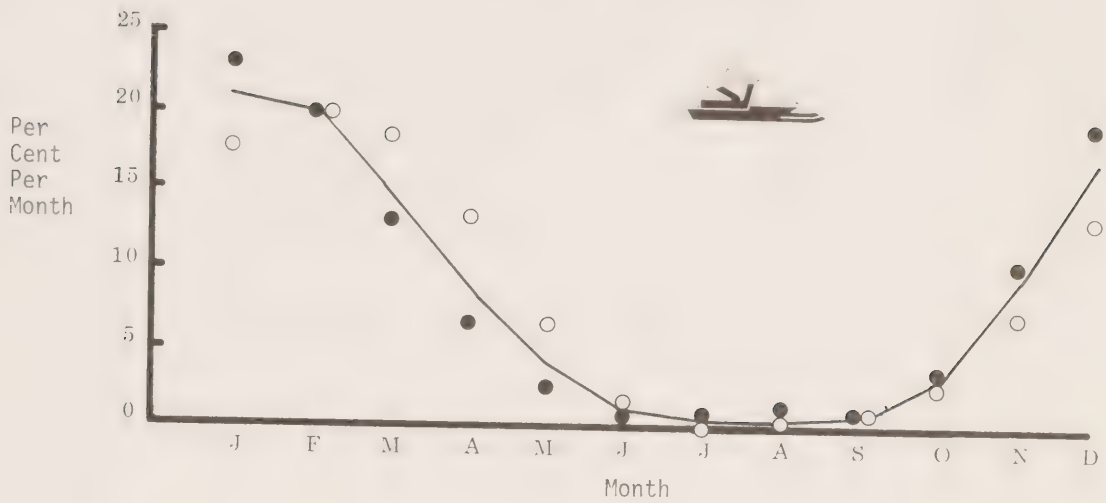


<sup>+</sup> includes motor boating, canoeing, sailing and other boating

FIGURE V-1 (continued)

- All of Ontario
- Southern Ontario
- Northern Ontario

Recreational Snowmobiling



Snowshoeing or Cross-country Skiing

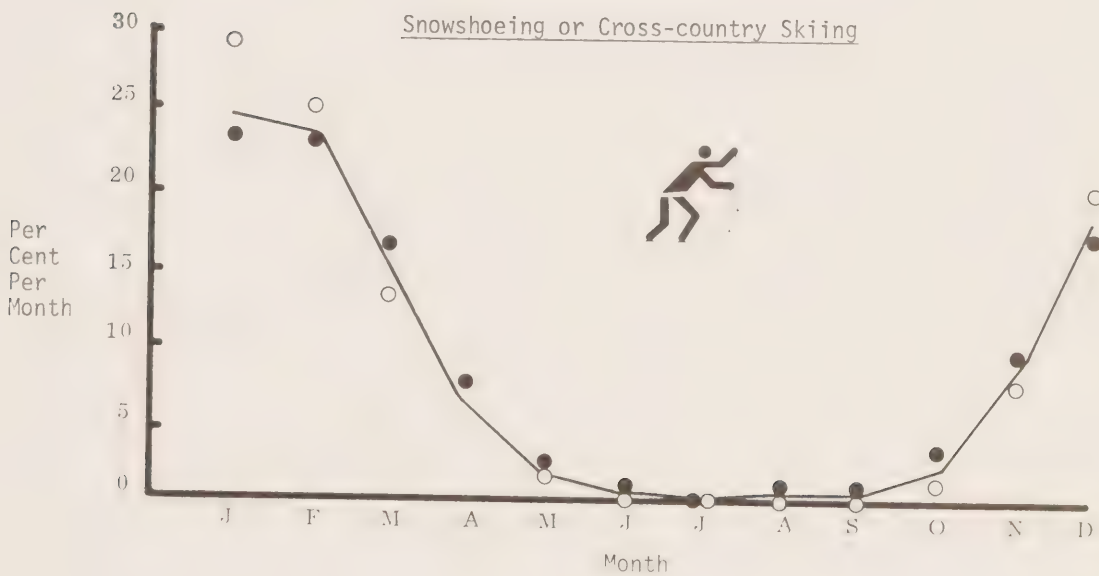
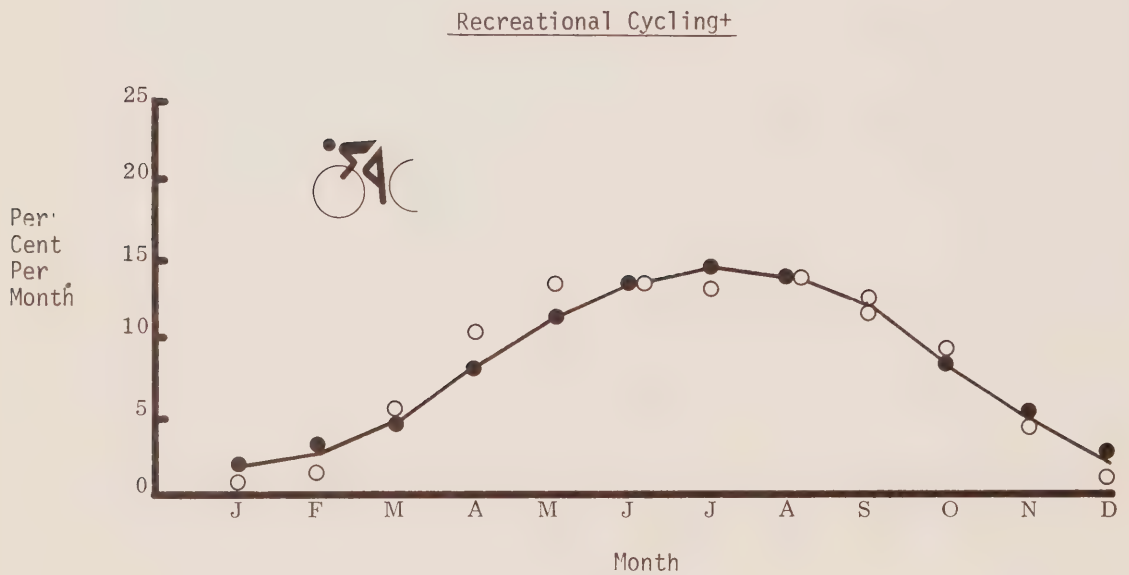
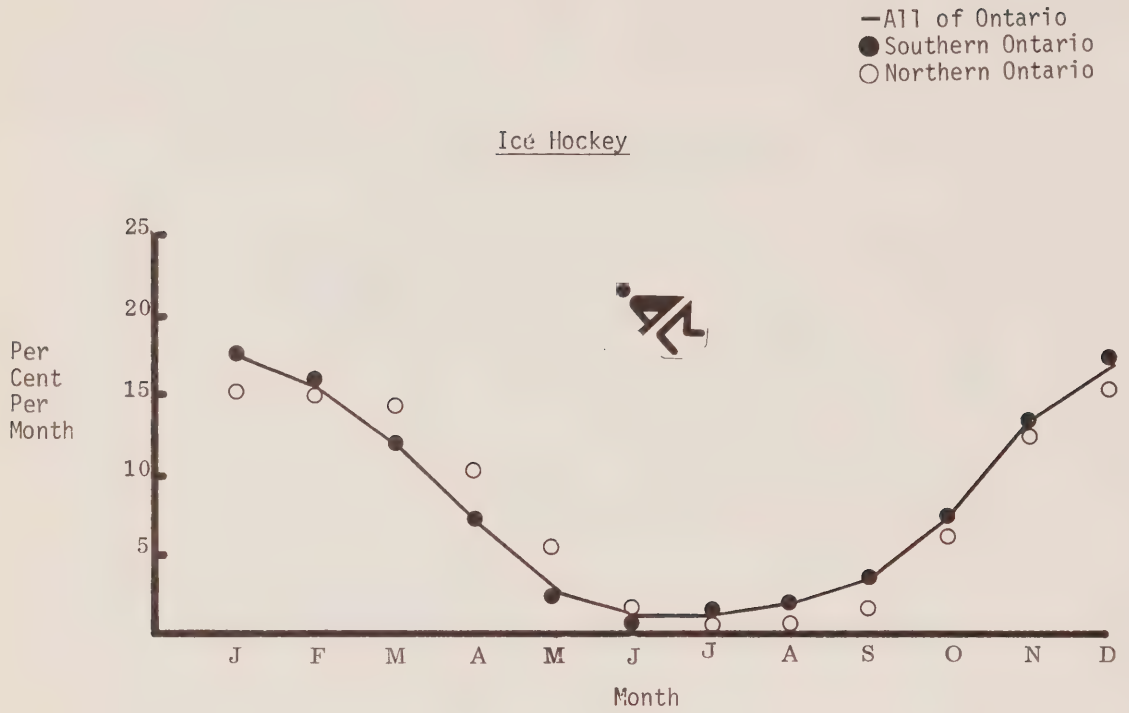


FIGURE V-1 (continued)



+ Includes recreational bicycling, motorcycling and trail-biking

FIGURE V-1 (continued)

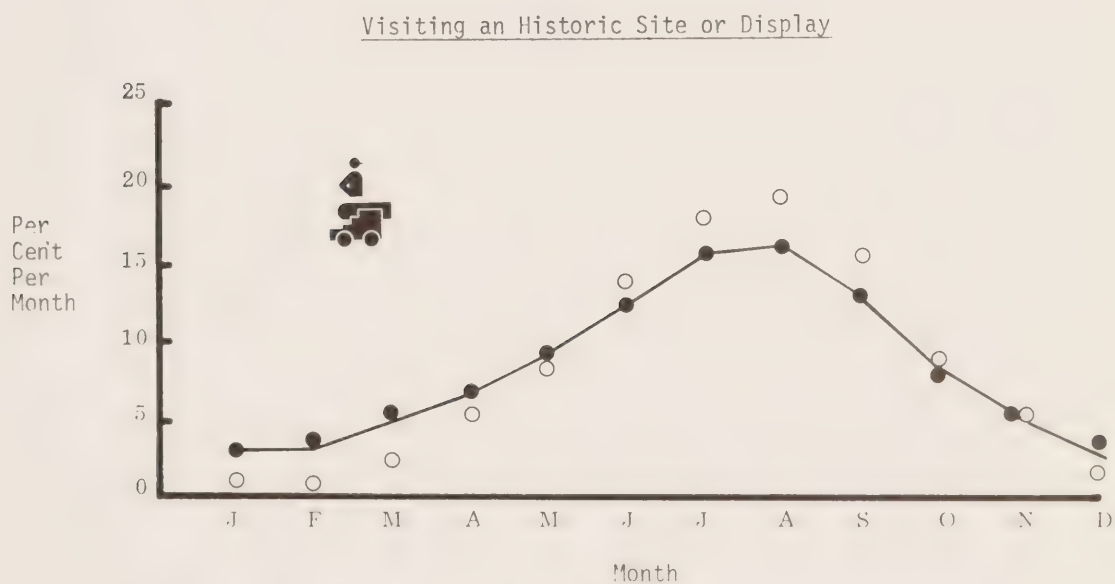


FIGURE V-1 (continued)

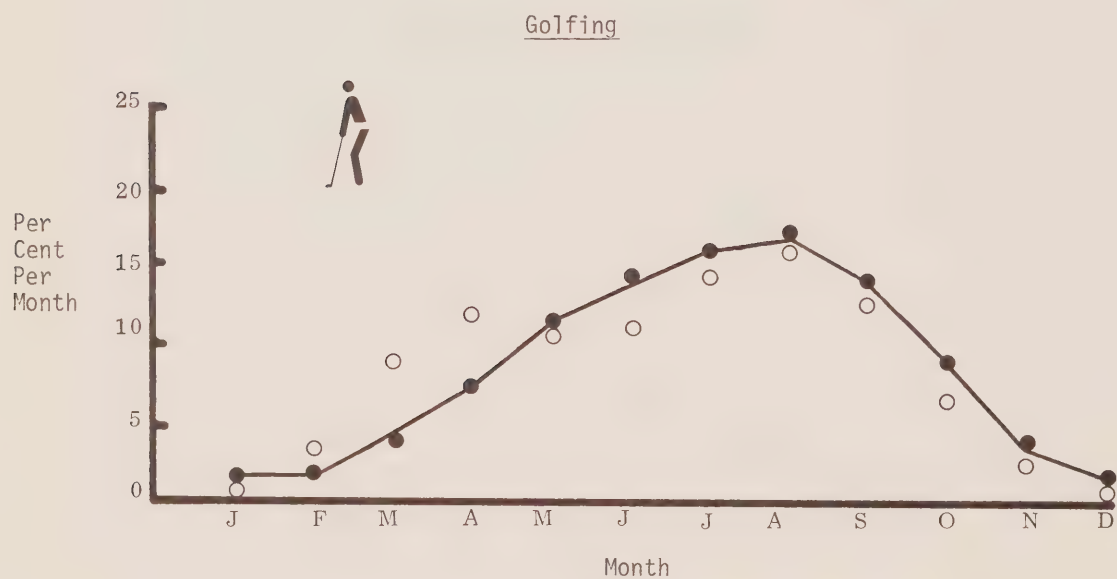
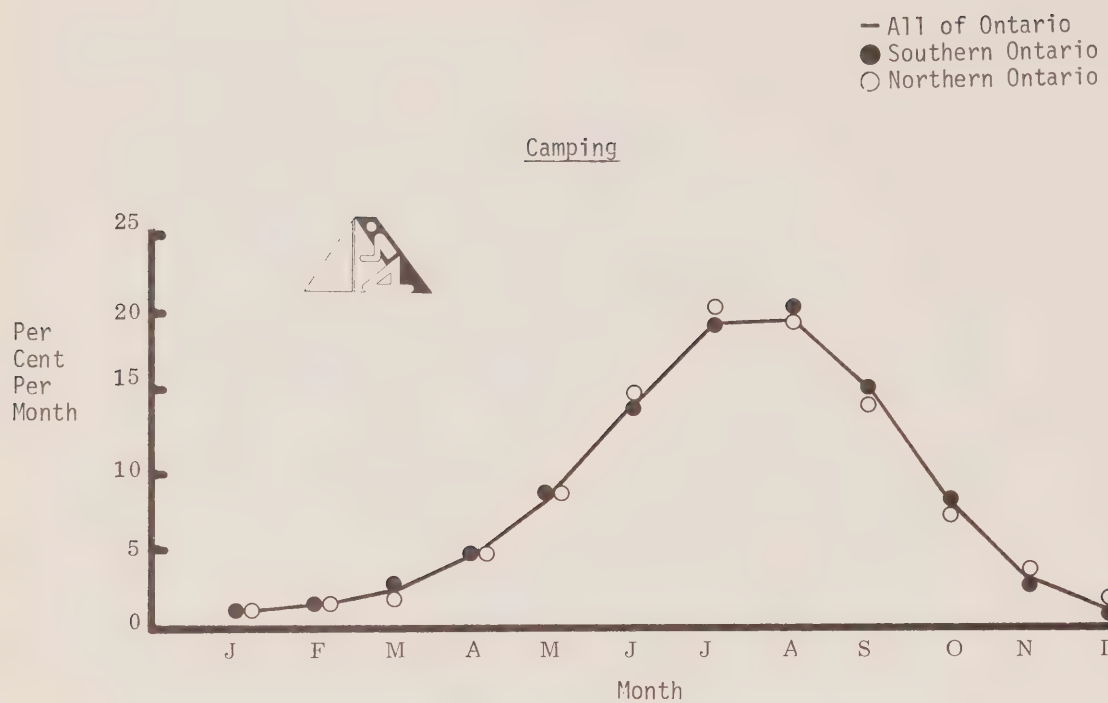
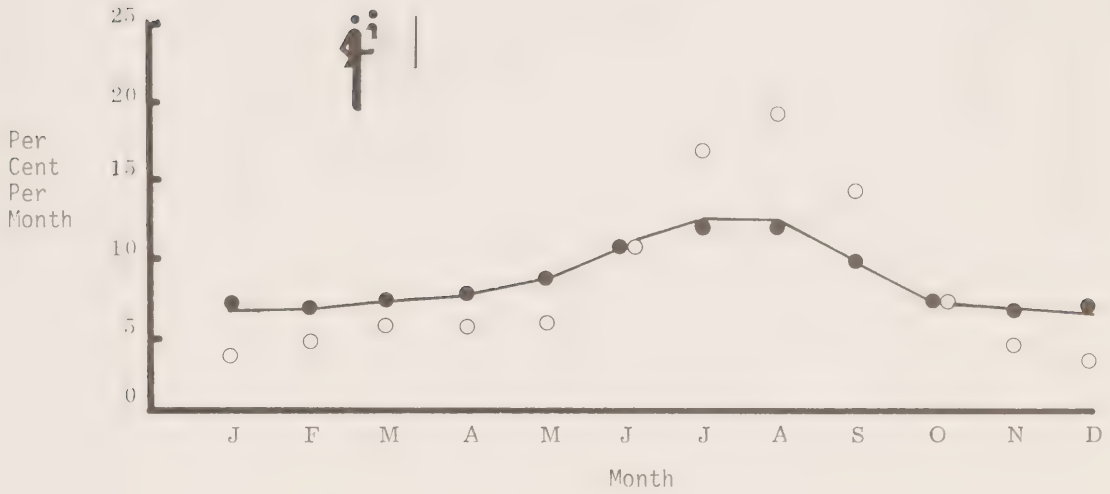


FIGURE V-1 (continued)

— All of Ontario  
● Southern Ontario  
○ Northern Ontario

Visiting a Museum or Art Gallery



Tennis

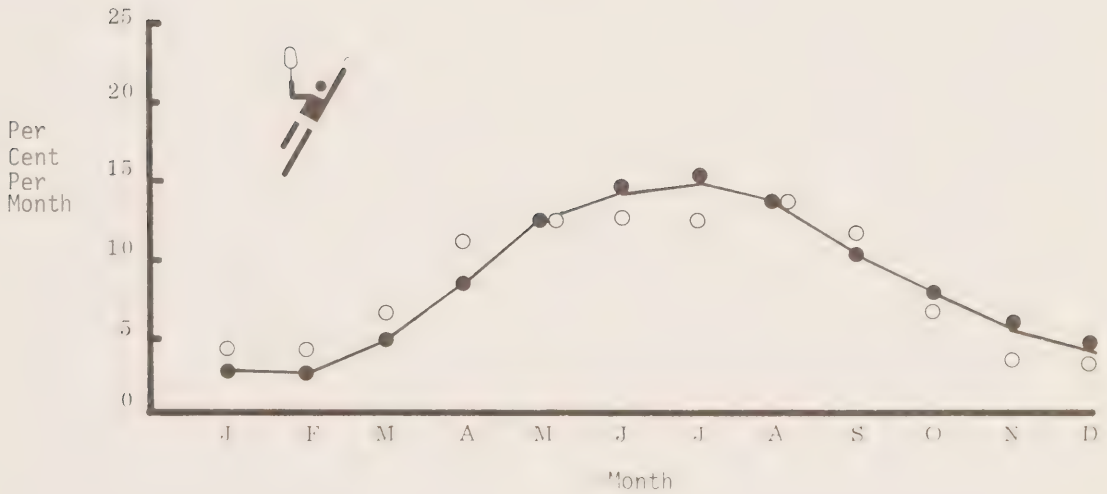
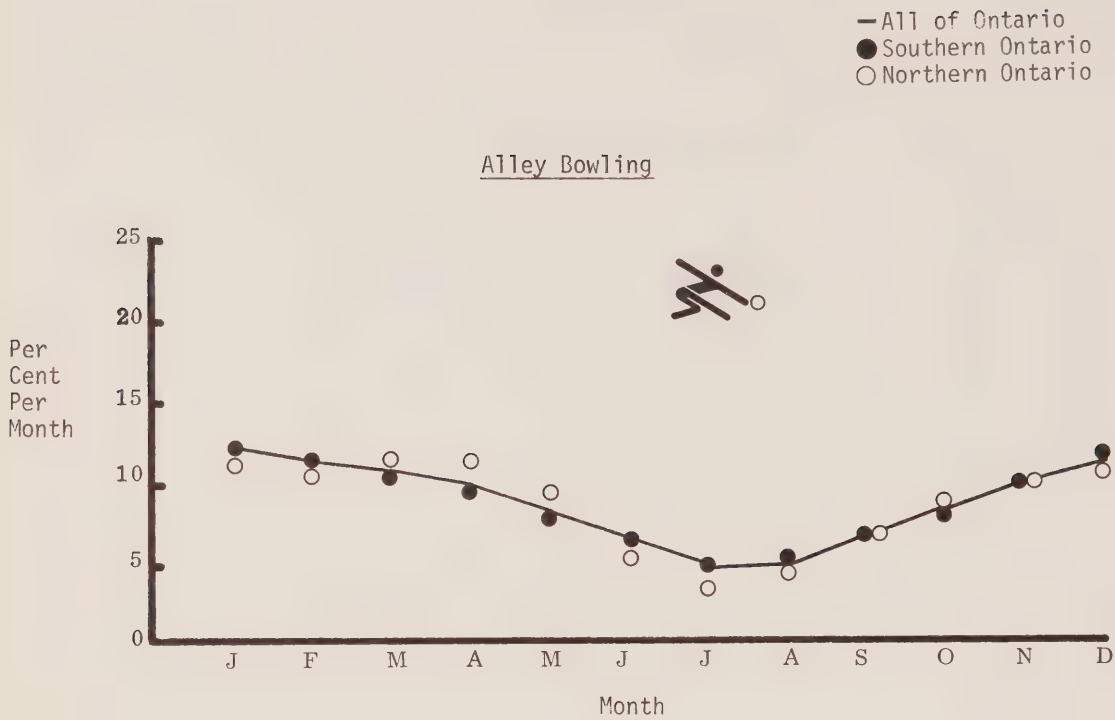


FIGURE V-1 (continued)



## APPENDIX A

In Chapters I, II, III and V of this report, data is presented for only 15 activities. Data for the remaining activities are presented in this appendix. The tables here are not numbered sequentially, but match the corresponding chapter and table number in the text. Where the reliability of decimal values is low, percentages are rounded to the nearest whole number.

TABLE A1-1\*  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS IN SELECTED RECREATIONAL ACTIVITIES  
FOR AGE AND SEX CATEGORIES OF THE ONTARIO POPULATION

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average by Sex	Per Cent by Sex
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	Male	c	70.5%	66.4%	57.4%	46.7%	38.6%	59.4%	
		n	442	608	408	241	102	1,801	51.2%
		r	24.5%	33.8%	22.6%	13.4%	5.7%		
	Female	c	69.9	64.3	55.7	41.6	26.9	55.2	
		n	419	588	387	224	97	1,715	48.8
		r	24.4	34.3	22.6	13.1	5.6		
Badminton	Male	c	27.6	14.0	7.1	3.2	0.8	12.2	
		n	173	128	50	16	-	369	48.4
		r	46.9	34.7	13.6	4.3	0.5		
	Female	c	34.4	14.3	6.2	2.0	0.6	12.6	
		n	206	131	43	11	-	393	51.6
		r	52.4	33.3	11.0	2.8	0.5		
Baseball or Softball	Male	c	62.3	26.6	10.8	4.1	1.2	24.2	
		n	390	243	77	21	-	734	63.1
		r	53.1	33.1	10.5	2.9	0.4		
	Female	c	51.5	9.1	4.9	0.6	0.2	13.8	
		n	309	83	34	-	-	430	36.9
		r	71.9	19.3	7.9	0.7	0.2		
Basketball	Male	c	50.2	12.7	2.9	1.0	-	15.0	
		n	314	116	21	-	-	456	64.9
		r	68.9	25.4	4.6	1.1	-		
	Female	c	35.2	3.1	1.3	-	-	7.9	
		n	210	28	-	-	-	247	35.1
		r	85.0	11.3	3.7	-	-		
Recreational Trail-biking	Male	c	18	6	2	1	-	6.2	
		n	113	55	13	-	-	187	69.0
		r	61	29	7	3	-		
	Female	c	10	2	1	-	-	2.7	
		n	61	16	-	-	-	84	31.0
		r	73	19	8	-	-		
Other Boating (Rowboating, Kayaking, etc.)	Male	c	19.4	12.9	9.1	5.6	1.9	11.1	
		n	121	118	64	29	-	337	53.3
		r	35.9	35.0	19.0	8.6	1.5		
	Female	c	19.5	10.0	7.5	5.5	1.4	9.5	
		n	117	91	52	30	-	295	46.7
		r	39.7	30.8	17.6	10.2	1.7		

Note:

- c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
- No decimal value is given for percentage figures where the reliability of the decimal is low

\* Corresponds to Table I-1 in Chapter I

- Population estimate less than 10,000

TABLE A1-1 (continued)

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average by Sex	Per Cent by Sex
Canoeing	Male	c	33.7	25.3	11.8	9.0	4.3	19.2	
		n	210	232	84	46	11	583	58.1
		r	36.0	39.8	14.4	7.9	1.9		
	Female	c	27.9	16.2	10.8	4.7	1.5	13.6	
		n	168	148	75	25	-	421	41.9
		r	39.9	35.2	17.8	5.9	1.2		
Visiting a Private Cottage, Chalet, Hobby Farm	Male	c	49.4	53.8	45.8	43.7	34.2	47.3	
		n	307	491	324	223	90	1,435	50.3
		r	21.4	34.2	22.6	15.5	6.3		
	Female	c	50.4	49.8	47.3	44.9	27.1	45.7	
		n	303	451	327	241	98	1,420	49.7
		r	21.3	31.8	23.0	17.0	6.9		
Curling	Male	c	8	6	6	6	3	6.1	
		n	49	56	44	30	-	186	62.4
		r	26	30	24	16	4		
	Female	c	4	4	5	2	2	3.6	
		n	24	37	34	12		112	37.6
		r	21	33	30	11	5		
Football (Canadian)	Male	c	58.0	23.6	4.1	0.5	-	17.9	
		n	363	151	26	-	-	543	84.8
		r	66.8	27.8	4.8	0.6	-		
	Female	c	12.6	1.6	0.8	0.1	-	3.1	
		n	75	15	-	-	-	97	15.2
		r	77.3	15.5	6.2	1.0	-		
Recreational Driving	Male	c	57.1	73.4	67.3	60.6	56.0	64.8	
		n	357	671	476	312	148	1,964	49.5
		r	18.2	34.2	24.2	15.9	7.5		
	Female	c	62.1	72.1	62.7	64.2	54.0	64.5	
		n	372	658	435	345	195	2,005	50.5
		r	18.6	32.8	21.7	17.2	9.7		
Handball	Male	c	10	3	2	-	-	3.5	
		n	65	28	12	-	-	107	61.1
		r	61	26	11	-	-		
	Female	c	7	2	1	1	-	2.2	
		n	42	15	-	-	-	68	38.9
		r	62	22	12	4	-		
Big Game Hunting	Male	c	4	10	10	6	6	7.7	
		n	28	89	72	29	15	233	90.0
		r	12	38	31	13	6		
	Female	c	1	1	1	1	-	0.8	
		n	-	-	-	-	-	26	10.0
		r	31	35	15	19	-		

- Population estimate less than 10,000

TABLE AI-1 (continued)

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average by Sex	Per Cent by Sex
Small Game Hunting	Male	c	22.4	21.5	14.9	10.1	5.4	16.8	90.6
		n	140	197	106	52	14	509	
		r	27.5	38.7	20.8	10.2	2.8		
	Female	c	2.9	2.1	1.6	1.1	-	1.7	9.4
		n	17	19	11	-	-	53	
		r	32.1	35.8	20.8	11.3	-		
Waterfowl Hunting	Male	c	7	10	8	3	3	7.0	93.4
		n	43	88	57	16	7	211	
		r	20	42	27	8	3		
	Female	c	-	-	-	-	-	0.5	6.6
		n	-	-	-	-	-	15	
		r	-	-	-	-	-		
Gymnastics	Male	c	10	3	2	1	-	3.5	36.9
		n	63	23	14	-	-	106	
		r	59	22	13	5	-		
	Female	c	18	5	3	1	-	5.8	63.1
		n	108	45	23	-	-	181	
		r	60	25	13	2	-		
Recreational Motorcycling	Male	c	15.0	10.3	1.3	0.7	-	6.6	61.3
		n	94	94	-	-	-	200	
		r	47.0	47.0	4.5	1.5	-		
	Female	c	11.3	4.9	1.4	0.6	-	4.1	38.7
		n	68	45	10	-	-	126	
		r	54.0	35.7	7.9	2.4	-		
Visiting Nature Dis- plays or Exhibits	Male	c	31.6	35.2	33.0	23.9	13.0	30.1	48.4
		n	198	323	234	123	34	912	
		r	21.7	35.4	25.7	13.5	3.7		
	Female	c	35.8	37.7	31.3	26.8	14.4	31.3	51.6
		n	214	344	218	144	52	972	
		r	22.0	35.4	22.4	14.8	5.4		
Going on a Guided Nature Tour	Male	c	14.9	3.9	4.7	2.9	2.1	6.0	47.0
		n	93	35	33	15	-	182	
		r	51.1	19.2	18.1	8.3	3.3		
	Female	c	13.9	5.6	6.5	3.7	1.8	6.6	53.0
		n	83	51	45	20	-	205	
		r	40.4	24.9	22.0	9.8	2.9		
Picnicking	Male	c	62.6	63.9	60.7	49.2	37.7	58.0	47.9
		n	393	584	431	253	99	1,760	
		r	22.3	33.2	24.5	14.4	5.6		
	Female	c	72.6	71.5	63.6	46.4	38.5	61.7	52.1
		n	435	652	441	249	139	1,916	
		r	22.7	34.0	23.0	13.0	7.3		

- Population estimate less than 10,000

TABLE A1-1 (continued)

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average by Sex	Per Cent by Sex
Sailing	Male	c	11.1	8.5	6.2	5.3	2.7	7.5	
		n	70	78	44	27	-	226	58.5
		r	31.0	34.5	19.5	11.9	3.1		
	Female	c	7.2	7.8	4.7	2.0	-	5.1	
		n	44	72	32	11	-	160	41.5
		r	27.5	45.0	20.0	6.9	-		
Roller Skating	Male	c	15	5	1	1	-	4.6	
		n	96	46	-	-	-	15.3	48.9
		r	63	30	5	2	-		
	Female	c	19	4	1	-	-	5.1	
		n	113	38	-	-	-	160	51.1
		r	71	24	4	-	-		
Ice Skating	Male	c	73.4	41.8	28.3	6.8	2.4	35.8	
		n	460	383	201	35	-	1,085	54.3
		r	42.4	35.3	18.5	3.2	0.6		
	Female	c	67.9	35.8	21.4	4.6	1.1	29.4	
		n	408	328	149	25	-	914	45.7
		r	44.7	35.9	16.3	2.7	0.4		
Downhill Skiing	Male	c	17.5	10.2	6.7	2.2	0.7	8.7	
		n	110	93	47	11	-	263	53.3
		r	41.8	35.4	17.9	4.2	0.8		
	Female	c	16.0	10.2	4.7	1.2	0.5	7.4	
		n	96	93	33	-	-	230	46.7
		r	41.7	40.4	14.3	2.6	0.7		
Skin or Scuba Diving	Male	c	9	6	2	1	-	4.3	
		n	56	57	15	-	-	132	75.0
		r	42	43	11	3	-		
	Female	c	4	2	1	-	-	1.4	
		n	22	16	-	-	-	44	25.0
		r	50	36	9	-	-		
Snowshoeing	Male	c	12	6	4	3	3	5.8	
		n	74	52	28	14	-	175	65.5
		r	42	30	16	8	4		
	Female	c	7	3	3	1	-	3.0	
		n	41	26	18	-	-	92	34.5
		r	45	28	20	8	-		
Soccer	Male	c	40.8	11.2	6.2	1.6	-	13.6	
		n	256	103	44	-	-	411	79.2
		r	62.3	25.1	10.7	2.0	-		
	Female	c	15.5	1.0	0.8	-	-	3.5	
		n	93	-	-	-	-	108	20.8
		r	86.1	8.3	5.6	-	-		

- Population estimate less than 10,000

TABLE AI-1 (continued)

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average by Sex	Per Cent by Sex
Attending a Sporting Event as a Spectator	Male	c	84.2	65.5	57.9	45.6	28.7	61.0	
		n	528	601	411	235	76	1,851	57.4
		r	28.5	32.5	22.2	12.7	4.1		
	Female	c	67.6	49.1	47.0	27.3	11.8	44.1	
		n	406	449	326	147	43	1,371	42.6
		r	29.6	32.8	23.8	10.7	3.1		
Strength Sports	Male	c	10	6	2	-	-	4.3	
		n	61	56	13	-	-	132	88.0
		r	46	42	10	-	-		
	Female	c	-	-	-	-	-	0.6	
		n	-	-	-	-	-	19	12.0
		r	-	-	-	-	-		
Attending a Live Theatre or Concert Performance	Male	c	57.4	41.0	35.8	29.5	17.0	39.1	
		n	360	376	254	152	45	1,187	45.7
		r	30.3	31.7	21.4	12.8	3.8		
	Female	c	60.5	45.1	47.0	40.0	25.2	45.3	
		n	363	412	327	215	91	1,408	54.3
		r	25.7	29.3	23.2	15.3	6.5		
Tobogganing or Sledding	Male	c	55.3	25.3	15.7	3.8	-	23.5	
		n	347	232	111	20	-	712	52.3
		r	48.7	32.6	15.6	2.8	-		
	Female	c	51.8	25.5	12.9	2.4	-	20.8	
		n	311	233	90	13	-	648	47.7
		r	48.0	36.0	13.9	2.0	-		
Track and Field	Male	c	18	3	1	-	-	4.7	
		n	111	29	-	-	-	144	62.6
		r	77	20	3	-	-		
	Female	c	13	1	1	-	-	2.8	
		n	77	-	-	-	-	86	37.4
		r	90	7	3	-	-		
Viewing or Photographing Birds, Animals or Fish in Their Natural Surroundings	Male	c	14.5	14.9	14.6	14.2	5.9	13.8	
		n	91	136	104	73	16	420	49.5
		r	21.7	32.4	24.7	17.4	3.8		
	Female	c	17.3	17.2	12.9	9.7	6.9	13.8	
		n	104	158	90	52	25	429	50.5
		r	24.2	36.8	21.0	12.1	5.8		
Viewing, Photo- graphing or Collecting Plants in Their Natural Surroundings	Male	c	10.2	10.0	9.7	11.5	6.0	9.9	
		n	64	92	69	59	16	300	44.4
		r	21.3	30.7	23.0	19.7	5.3		
	Female	c	15.2	13.9	11.4	10.3	6.5	12.1	
		n	91	127	79	55	23	375	55.6
		r	24.3	33.8	21.1	14.7	6.1		

- Population estimate less than 10,000

TABLE A1-1 (continued)

<u>Activity</u>	<u>Sex</u>		<u>12 to</u> <u>19</u>	<u>20 to</u> <u>34</u>	<u>35 to</u> <u>49</u>	<u>50 to</u> <u>64</u>	<u>65 and</u> <u>over</u>	<u>Average</u> <u>by Sex</u>	<u>Per Cent</u> <u>by Sex</u>
Viewing, Photo- graphing or Collecting Rocks in Their Natural Surroundings	Male	c	11.6	7.9	8.0	7.6	3.5	8.3	45.2
		n	73	73	57	39	-	251	
		r	29.1	29.1	22.7	15.5	3.6		
	Female	c	15.9	9.2	10.2	7.3	4.0	9.8	54.8
		n	96	84	71	39	14	304	
		r	31.6	27.6	23.4	12.8	4.6		
Volleyball	Male	c	29.4	8.5	3.4	1.4	-	9.7	47.3
		n	184	78	24	-	-	293	
		r	61.5	26.1	8.0	2.4	-		
	Female	c	39.9	6.5	3.5	0.5	-	10.5	52.7
		n	240	59	24	-	-	326	
		r	73.6	18.1	7.4	0.9	-		
Recreational Walking	Male	c	60.4	53.3	44.5	44.8	52.5	51.2	45.8
		n	378	488	316	231	139	1,552	
		r	24.3	31.4	20.4	14.9	9.0		
	Female	c	73.8	64.7	54.1	46.5	48.8	59.1	54.2
		n	443	591	376	249	176	1,835	
		r	24.1	32.2	20.5	13.6	9.6		
Water-skiing	Male	c	22.4	19.8	9.0	3.3	1.5	13.5	61.9
		n	141	182	64	17	-	408	
		r	34.5	44.6	15.7	4.2	1.0		
	Female	c	19.7	10.5	3.8	1.7	-	8.1	38.1
		n	118	96	27	-	-	251	
		r	47.0	38.3	10.8	3.6	-		
Visiting a Zoo or Botanical Garden	Male	c	29.2	40.8	35.7	27.9	19.9	33.2	46.6
		n	183	374	254	144	53	1,008	
		r	18.2	37.1	25.2	14.2	5.3		
	Female	c	33.8	47.5	37.7	33.5	21.5	37.2	53.4
		n	203	433	261	180	78	1,155	
		r	17.6	37.5	22.6	15.6	6.7		

- Population estimate less than 10,000

TABLE AI-2\*  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS IN SELECTED  
RECREATIONAL ACTIVITIES BY EDUCATION LEVELS  
OF THE ONTARIO POPULATION

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University	Range
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	c	48.7%	<u>59.4%</u>	<u>59.2%</u>	<u>64.3%</u>	<u>62.9%</u>	15.6%
	n	825	827	794	543	467	
	r	23.9%	23.9%	23.0%	15.7%	13.5%	
Badminton	c	8.7	<u>14.6</u>	11.0	<u>13.4</u>	<u>17.1</u>	8.4
	n	147	207	147	113	127	
	r	19.8	27.9	19.8	15.2	17.1	
Baseball or Softball	c	<u>21.0</u>	<u>24.5</u>	13.9	14.5	<u>16.6</u>	10.6
	n	356	341	187	123	123	
	r	31.5	30.2	16.5	10.9	10.9	
Basketball	c	<u>13.8</u>	<u>16.2</u>	5.8	5.7	<u>12.3</u>	10.5
	n	234	226	77	48	91	
	r	34.6	33.4	11.4	7.1	13.5	
Recreational Trail-biking	c	<u>5</u>	<u>7</u>	3	2	4	5
	n	80	98	45	15	27	
	r	30	37	17	6	10	
Other Boating (Rowboating, Kayaking, etc.)	c	8.5	<u>12.0</u>	9.3	10.3	<u>13.0</u>	4.5
	n	144	167	124	87	97	
	r	23.3	27.0	20.0	14.0	15.7	
Canoeing	c	10.1	16.2	15.3	<u>18.4</u>	<u>30.4</u>	20.3
	n	171	226	205	155	226	
	r	17.4	23.0	20.8	15.8	23.0	
Visiting a Private Cottage, Chalet, Hobby Farm	c	33.5	45.7	<u>49.2</u>	<u>57.3</u>	<u>63.6</u>	30.1
	n	563	635	657	480	471	
	r	20.1	22.6	23.4	17.1	16.8	
Curling	c	2	<u>5</u>	<u>6</u>	<u>6</u>	<u>9</u>	7
	n	33	67	74	52	66	
	r	11	23	25	18	23	
Football (Canadian)	c	<u>11.4</u>	<u>14.8</u>	6.1	5.8	<u>12.3</u>	9.0
	n	193	206	81	49	91	
	r	31.1	33.2	13.1	7.9	14.7	

Note:

- c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
- Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
- No decimal value is given for percentage figures where the reliability of the decimal is low

\* Corresponds to Table I-2 in Chapter I

TABLE A1-2 (continued)

Activity	Grade 9 to 11, No Other	Grade 9 to 11, No Other	Grade 9 to 11, No Other	University	Range
Recreational Driving	63.1 878 22.5	63.1 878 22.5	63.1 878 22.5	70.5 524 18.8	18.8
Recreational Hunting	45 45 26	45 45 26	45 45 26	45 45 26	
Big Game Hunting	4 72 28	4 72 28	4 72 28	4 72 28	
Small Game Hunting	12.4 140 25.3	12.4 140 25.3	12.4 140 25.3	12.4 140 25.3	6.5
Waterfowl Hunting	5 40 18	5 40 18	5 40 18	5 40 18	
Gymnastics	6 89 32	6 89 32	6 89 32	6 89 32	
Recreational Motorcycling	3.4 55 19.2	3.4 55 19.2	3.4 55 19.2	3.4 55 19.2	3.6
Visiting Nature Dis- plays or Exhibits	22.4 379 20.4	22.4 379 20.4	22.4 379 20.4	22.4 379 20.4	18.1
Going on a Guided Nature Tour	1.4 125 33.3	1.4 125 33.3	1.4 125 33.3	1.4 125 33.3	2.9
Picnicking	54.5 921 21.6	54.5 921 21.6	54.5 921 21.6	54.5 921 21.6	9.7
Sailing	3.2 54 14.4	3.2 54 14.4	3.2 54 14.4	3.2 54 14.4	14.2
Roller Skating	7 95 21	7 95 21	7 95 21	7 95 21	4
Ice Skating	14.4 404 14.4	14.4 404 14.4	14.4 404 14.4	14.4 404 14.4	14.4

TABLE AI-2 (continued)

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University	Range
Downhill Skiing	c	4.6	6.7	7.2	7.4	<u>19.7</u>	15.1
	n	78	94	97	62	147	
	r	16.3	19.7	20.3	13.0	30.7	
Skin or Scuba Diving	c	2	<u>3</u>	2	<u>3</u>	<u>7</u>	5
	n	25	41	29	21	55	
	r	15	24	17	12	32	
Snowshoeing	c	4	<u>5</u>	3	4	<u>8</u>	5
	n	63	66	38	31	61	
	r	24	25	15	12	24	
Soccer	c	<u>12.0</u>	<u>10.9</u>	4.6	3.9	7.1	8.1
	n	204	152	62	33	53	
	r	40.5	30.2	12.3	6.5	10.5	
Attending a Sporting Event as a Spectator	c	42.0	<u>58.2</u>	<u>55.0</u>	<u>55.2</u>	<u>57.1</u>	16.2
	n	712	811	737	467	424	
	r	22.6	25.7	23.4	14.8	13.5	
Strength Sports	c	2	<u>3</u>	2	2	<u>4</u>	2
	n	28	46	26	20	27	
	r	19	31	18	14	18	
Attending a Live Theatre or Concert Performance	c	28.6	38.4	<u>43.2</u>	<u>50.3</u>	<u>70.4</u>	41.8
	n	485	534	579	425	523	
	r	19.1	21.0	22.7	16.7	20.5	
Tobogganing or Sledding	c	21.3	<u>25.7</u>	18.5	21.7	<u>24.4</u>	7.2
	n	361	359	248	183	181	
	r	27.1	26.9	18.6	13.8	13.6	
Track and Field	c	<u>7</u>	<u>4</u>	2	1	3	6
	n	111	55	28	11	21	
	r	49	24	13	5	9	
Viewing or Photographing Birds, Animals or Fish in Their Natural Surroundings	c	9.3	11.4	<u>14.6</u>	<u>18.1</u>	<u>22.6</u>	13.3
	n	157	159	195	153	167	
	r	18.9	19.1	23.5	18.4	20.1	
Viewing, Photographing or Collecting Plants in Their Natural Surroundings	c	8.6	9.1	10.5	<u>13.4</u>	<u>19.3</u>	10.7
	n	145	127	141	113	143	
	r	21.6	19.0	21.1	16.9	21.4	
Viewing, Photographing or Collecting Rocks in Their Natural Surroundings	c	7.6	8.6	7.0	<u>11.0</u>	<u>14.8</u>	7.8
	n	128	119	94	93	110	
	r	23.6	21.9	17.2	17.1	20.2	

TABLE A1.2 (continued)

Activity	Grade 9-10 No. of Students	Grade 11-12 No. of Students	Grade 9-10 No. of Students	Grade 11-12 No. of Students	Percentage of Students	Percentage of Students
Volleyball	11.1	14.4	6.1	6.1	11.4	6.1
	n 100	100	44	44	88	88
	r 11.1	14.4	14.1	14.1	14.1	14.1
Recreational Walking	11.1	40.9	55.1	55.1	61.1	11.1
	n 99	409	241	241	409	409
	r 11.1	40.9	55.1	55.1	14.1	14.1
Water-skiing	6.1	11.1	11.1	11.1	11.1	11.1
	n 110	161	161	161	161	161
	r 11.1	24.9	21.0	17.1	20.1	20.1
Visiting a Zoo or Botanical Garden	16.6	31.9	38.5	38.5	45.6	11.1
	n 461	445	515	367	445	445
	r 21.1	21.0	24.3	17.4	16.0	16.0

TABLE AI-4\*  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS IN SELECTED RECREATIONAL ACTIVITIES  
BY EDUCATION LEVELS OF THE HEADS OF HOUSEHOLD

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University	Range
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	c	50.8%	56.1%	<u>59.6%</u>	<u>62.5%</u>	<u>64.0%</u>	13.2%
	n	915	597	788	520	573	
	r	27.0%	17.6%	23.2%	15.3%	16.9%	
Badminton	c	10.3	9.9	11.6	<u>15.8</u>	<u>18.3</u>	8.4
	n	185	105	153	132	164	
	r	25.0	14.2	20.7	17.9	22.2	
Baseball or Softball	c	18.2	<u>20.4</u>	<u>19.1</u>	18.3	18.1	2.3
	n	327	217	253	152	162	
	r	29.5	19.5	22.7	13.7	14.6	
Basketball	c	11.2	10.9	10.6	10.0	<u>14.7</u>	4.7
	n	202	116	141	83	132	
	r	30.0	17.2	20.9	12.3	19.6	
Recreational Trail-biking	c	4	<u>6</u>	<u>5</u>	4	4	2
	n	67	61	64	31	34	
	r	26	24	25	12	13	
Other Boating (Rowboating, Kayaking, etc.)	c	6.4	<u>11.5</u>	<u>11.9</u>	<u>10.8</u>	<u>15.4</u>	9.0
	n	115	122	157	90	138	
	r	18.5	19.6	25.2	14.5	22.2	
Canoeing	c	9.7	13.4	<u>18.0</u>	<u>18.5</u>	<u>29.5</u>	19.8
	n	175	142	239	154	265	
	r	17.9	14.6	24.5	15.8	27.2	
Visiting a Private Cottage, Chalet, Hobby Farm	c	33.7	44.6	<u>51.5</u>	<u>55.5</u>	<u>63.3</u>	29.6
	n	605	475	678	457	562	
	r	21.8	17.1	24.4	16.5	20.2	
Curling	c	2	4	<u>6</u>	<u>7</u>	<u>8</u>	6
	n	42	47	73	56	73	
	r	15	16	25	19	25	
Football (Canadian)	c	10.0	9.0	10.0	9.5	<u>13.1</u>	5.1
	n	180	96	132	79	118	
	r	29.8	15.9	21.8	13.0	19.5	

Note:

1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

\* Corresponds to Table I-4 in Chapter I

TABLE A1-4 (continued)

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University	Range
Recreational Driving	c	58.5	64.5	<u>66.8</u>	<u>74.1</u>	<u>67.2</u>	15.6
	n	1,050	686	883	613	602	
	r	27.4	17.9	23.0	16.0	15.7	
Handball	c	<u>3</u>	<u>3</u>	<u>3</u>	<u>4</u>	<u>3</u>	1
	n	50	28	36	29	23	
	r	30	17	22	17	14	
Big Game Hunting	c	<u>5</u>	<u>6</u>	4	3	3	3
	n	90	60	50	28	25	
	r	35	24	20	11	10	
Small Game Hunting	c	<u>10.1</u>	<u>11.3</u>	<u>9.9</u>	7.5	5.7	5.6
	n	183	120	131	62	51	
	r	33.5	21.9	23.9	11.3	9.3	
Waterfowl Hunting	c	<u>4</u>	<u>5</u>	<u>4</u>	3	3	2
	n	63	48	58	27	24	
	r	29	22	26	12	11	
Gymnastics	c	4	4	<u>5</u>	<u>6</u>	<u>5</u>	2
	n	77	44	68	46	43	
	r	28	16	24	17	15	
Recreational Motorcycling	c	3.8	<u>6.8</u>	<u>6.7</u>	3.8	<u>5.5</u>	3.0
	n	68	73	89	31	49	
	r	21.9	23.4	28.8	10.1	15.8	
Visiting Nature Dis- plays or Exhibits	c	22.5	27.8	<u>32.7</u>	<u>39.3</u>	<u>40.2</u>	17.7
	n	406	296	432	327	360	
	r	22.3	16.2	23.7	18.0	19.8	
Going on a Guided Nature Tour	c	5.3	5.5	<u>6.8</u>	<u>6.6</u>	<u>8.2</u>	2.9
	n	96	59	90	55	73	
	r	25.7	15.8	24.1	14.8	19.6	
Picnicking	c	55.0	<u>60.9</u>	<u>61.3</u>	<u>64.8</u>	<u>65.1</u>	11.0
	n	988	649	810	538	584	
	r	27.7	18.2	22.7	15.1	16.3	
Sailing	c	2.3	3.6	<u>7.3</u>	<u>7.0</u>	<u>15.9</u>	13.6
	n	41	38	97	58	142	
	r	10.8	10.1	25.8	15.5	37.8	
Roller Skating	c	5	5	5	5	5	N/A
	n	95	48	72	42	40	
	r	32	16	24	14	14	
Ice Skating	c	24.2	<u>32.8</u>	<u>34.9</u>	<u>36.6</u>	<u>40.7</u>	16.5
	n	436	349	461	304	365	
	r	22.8	18.2	24.1	15.9	19.0	

TABLE AI-4 (continued)

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University	Range
Downhill Skiing	c	3.3	3.6	7.7	<u>11.5</u>	<u>19.5</u>	16.2
	n	59	39	102	96	175	
	r	12.5	8.2	21.8	20.3	37.2	
Skin or Scuba Diving	c	1	<u>3</u>	<u>3</u>	<u>3</u>	<u>7</u>	6
	n	12	31	36	25	61	
	r	7	19	22	15	37	
Snowshoeing	c	3	4	4	<u>5</u>	<u>7</u>	4
	n	60	40	56	38	66	
	r	23	15	21	15	26	
Soccer	c	8.0	<u>9.4</u>	7.4	<u>8.6</u>	<u>8.7</u>	2.0
	n	144	100	98	72	78	
	r	29.3	20.3	19.9	14.6	15.9	
Attending a Sporting Event as a Spectator	c	43.0	<u>54.4</u>	<u>56.7</u>	<u>59.5</u>	<u>56.1</u>	16.5
	n	775	579	750	495	503	
	r	25.0	18.7	24.2	15.9	16.2	
Strength Sports	c	2	<u>3</u>	<u>3</u>	2	<u>4</u>	2
	n	34	28	34	17	33	
	r	23	19	23	12	23	
Attending a Live Theatre or Concert Performance	c	27.9	35.6	<u>44.8</u>	<u>51.4</u>	<u>67.1</u>	39.2
	n	503	379	592	427	602	
	r	20.1	15.1	23.7	17.1	24.0	
Tobogganing or Sledding	c	16.4	<u>22.7</u>	<u>23.4</u>	<u>25.7</u>	<u>27.9</u>	11.5
	n	296	242	310	213	250	
	r	22.5	18.5	23.7	16.3	19.0	
Track and Field	c	3	<u>4</u>	<u>4</u>	<u>4</u>	<u>5</u>	2
	n	50	40	50	36	46	
	r	23	18	23	16	20	
Viewing or Photographing Birds, Animals or Fish in Their Natural Surroundings	c	8.4	12.2	<u>15.8</u>	<u>19.4</u>	<u>20.2</u>	11.8
	n	152	130	209	161	181	
	r	18.3	15.6	25.1	19.3	21.7	
Viewing, Photo- graphing or Collecting Plants in Their Natural Surroundings	c	7.0	9.7	<u>12.0</u>	<u>13.0</u>	<u>17.4</u>	10.4
	n	127	103	159	108	156	
	r	19.4	15.8	24.4	16.5	23.9	
Viewing, Photo- graphing or Collecting Rocks in Their Natural Surroundings	c	5.4	8.3	<u>10.3</u>	<u>12.3</u>	<u>13.3</u>	7.9
	n	97	88	136	102	119	
	r	17.9	16.3	25.1	18.8	21.9	

Table 22-4 (continued)

Activity		Percent Total Sample n	Percent of Total 11, No. of Responses	Percent of Total 11, No. of Responses	Percent of Total 11, No. of Responses	Unweighted %	Weighted %
Volleyball	e	8.7	10.4	8.0	10.2	12.2	8.8
	n	46	11	8	9	10	
	r	16.0	18.8	14.4	18.8	19.1	
Recreational Walking	e	11.3	48.4	34.2	51.7	66.4	17.0
	n	3,600	628	600	1,111	600	
	r	188.0	18.8	11.8	19.8	10.1	
Water-skiing	e	6.1	9.0	13.1	13.7	15.2	9.1
	n	111	95	111	113	13	
	r	12.7	15.1	25.9	15.1	21.5	
Visiting a Zoo or Botanical Garden	e	15.8	33.3	31.0	44.2	43.8	18.3
	n	466	355	503	567	590	
	r	12.4	17.0	24.2	17.6	1.1	

TABLE AI-6\*  
INCIDENCE OF PARTICIPATION IN PAST 12 MONTHS IN SELECTED RECREATIONAL ACTIVITIES  
BY OCCUPATION OF THE HEADS OF HOUSEHOLD

Activity	Managerial, Administrative and Related			Technological, Social and Cultural			Clerical and Related			Sales Service			Farming, Horticultural and Animal Husbandry			Other Primary			Processing			Machinery, Product Fabricating and Construction Trades			Other Occupations		Occupations not Stated		Range					
	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r							
Attending an Annually Scheduled Fair, Exhibition, Sportsman Show, Festival	64.2%	387	11.1%	60.4%	454	13.1%	55.4%	232	6.7%	62.4%	307	8.8%	52.1%	285	8.2%	64.3%	190	5.5%	51.1%	52	1.5%	54.3%	194	5.6%	55.6%	847	24.4%	60.7%	391	11.2%	42.6%	137	21.7%	3.9%
Badminton	14.8	89	11.8	16.7	125	16.5	14.3	60	7.9	15.8	78	10.3	9.2	50	6.6	6.0	18	2.4	9.7	10	1.3	12.2	43	5.7	11.5	176	23.3	11.8	76	9.7	10.7	31	4.1	
Baseball or Softball	20.8	125	10.8	19.9	150	13.0	17.6	74	6.4	19.5	96	8.3	17.1	94	8.1	19.7	58	5.0	18.9	19	1.7	15.2	54	4.7	19.9	303	26.3	20.4	132	15.4	5.6	50	4.3	
Basketball	15.2	91	13.0	14.0	105	15.0	10.5	44	6.3	11.0	54	7.7	11.4	63	9.0	7.5	22	3.1	10.1	10	1.4	8.1	29	4.1	11.5	176	25.1	10.9	70	11.4	7.7	37	5.3	
Recreational Trail-biking	3	21	8	3	25	9	3	14	5	6	29	11	3	18	7	5	15	6	-	-	-	3	12	4	6	91	33	5	4	4	3	13	5	

Note:

1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

\* Corresponds to Table I-6 in Chapter I  
- Population estimate less than 10,000

TABLE A1-6 (continued)

Activity		Managerial, Administrative and Related			Technological, Social and Cultural			Clerical and Related		Service	Farming, Horticultural and Animal Husbandry		Other Primary	Processing		Machinery, Product Fabricating and Construction Trades	Other Occupations	Occupations not stated	Average
		c	n	r	c	n	r	c	n		c	n		c	n				
Other Boating (Rowboating, Kayaking, etc.)	c	13.4			14.7			10.6		6.9	6.4		8.1	9.1		10.1	8.8	6.9	8.3
	n	81			110			44		38	19		-	33		154	56	22	
	r	12.9			17.6			7.1		6.0	3.0		1.3	5.2		24.5	9.0	3.5	
Canoeing	c	22.4			25.9			13.5		12.6	10.1		23.2	16.3		14.6	13.1	11.6	15.8
	n	135			195			56		69	30		23	58		222	84	37	
	r	13.5			19.6			5.6		6.9	3.0		2.3	5.8		22.3	8.4	3.7	
Visiting a Private Cottage, Chalet, Hobby Farm	c	59.7			59.8			50.7		40.0	29.9		48.9	41.9		41.8	41.8	35.3	29.9
	n	357			446			211		218	88		48	149		634	269	114	
	r	12.7			15.8			7.5		7.7	3.1		1.7	5.3		22.5	9.5	4.1	
Curling	c	9			7			4		4	5		10	3		3	4	4	7
	n	52			55			17		23	14		10	12		50	26	11	
	r	17			19			6		8	5		3	4		17	9	4	
Football (Canadian)	c	13.8			12.3			9.3		10.6	5.7		3.9	8.2		10.6	9.4	9.6	9.9
	n	83			93			39		58	17		-	29		161	60	31	
	r	13.0			14.6			6.1		9.1	2.6		0.6	4.6		25.3	9.5	4.8	
Recreational Driving	c	65.1			66.5			67.1		61.6	65.5		69.9	65.8		63.6	64.1	57.5	12.7
	n	392			498			281		337	194		71	234		964	412	185	
	r	10.0			12.7			7.2		8.6	5.0		1.8	6.0		24.7	10.5	4.7	
Handball	c	3			2			2		3	2		5	4		4	2	1	4
	n	17			13			-		16	-		-	13		61	15	-	
	r	10			7			4		9	3		3	7		35	9	2	

- Population estimate less than 10,000

TABLE AI-6 (continued)

Activity	Managerial Administrative and Related			Technological Social and Cultural			Clerical and Related			Service			Farming Horticultural and Animal Husbandry			Other Primary			Processing			Machinery, Product Fabricating and Construction Trades			Other Occupations			Occupations not Stated			Range		
	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r
Big Game Hunting	3	20	8	2	18	7	2	-	4	2	12	5	5	15	6	22	22	9	6	20	8	5	70	28	6	39	15	2	2	-	2	20	
Small Game Hunting	6.9	41	7.4	5.4	41	7.3	4.3	18	3.2	8.0	39	7.0	12.7	38	6.7	35.4	36	6.4	12.6	45	8.1	9.9	151	27.0	13.2	85	15.3	5.6	18	3.3	31.1		
Waterfowl Hunting	4	22	10	2	16	7	3	10	5	3	16	7	5	14	6	11	11	5	4	14	6	4	65	29	5	35	16	1	-	2	10		
Gymnastics	5	32	11	6	42	15	4	16	6	4	20	7	3	-	3	5	-	2	4	13	4	6	84	29	4	26	9	6	3	16	3		
Recreational Motorcycling	4.2	25	7.8	4.6	35	10.7	6.9	29	7.9	6.6	33	10.1	5.3	16	4.8	5.1	1.6	4.2	15	4.6	4.2	6.0	28.5	5.5	35	10.9	5.4	5.4	18	3.0			
Visiting Nature Dis- plays or Exhibits	36.6	221	11.8	40.8	307	16.4	27.8	116	6.2	35.3	173	9.3	22.6	67	3.6	28.0	28	1.5	28.1	100	5.4	28.2	430	23.0	30.4	196	10.5	25.8	83	4.4	18.2		
Going on a Guided Nature Tour	7.6	46	11.9	8.2	62	16.1	4.1	17	4.5	8.2	40	10.5	5.2	15	4.0	5.5	-	1.4	4.6	16	4.2	7.0	107	27.9	4.9	31	8.1	4.0	13	3.4	4.2		

- Population estimate less than 10,000

TABLE A1-6 (continued)

Activity	Managerial, Professional, and Technical Activities		General and Cultural Activities		Personal and Related Activities		Farming, Forestry, and Animal Husbandry		Other Private		Manufacturing, Product Fabricating and Construction Trade		Total Occupations		Percentage Range	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Percentage	Range
Housework	60.5	66.0	58.3	61.0	55.2	54.6	61.0	63.3	60.7	62.5	51.0	15.0				
	244	496	244	300	202	161	61	225	923	403	164					
	1.1	1.1	6.7	8.2	8.3	4.4	1.7	6.2	25.3	11.1	4.5					
Child Care	12.0	12.1	4.1	8.4	4.0	1.4	5.9	4.3	4.1	3.5	5.2	11.6				
	78	97	17	42	22	-	-	15	62	22	17					
	20.5	21.5	4.4	10.9	5.8	1.1	1.1	4.0	16.3	5.8	4.4					
Roller Skating	4	5	4	5	5	2	6	6	5	4	4					
	26	34	19	30	26	-	-	22	97	28	13					
	9	11	6	10	9	2	2	7	32	9	4					
Ice Skating	29.7	41.3	30.5	34.7	27.9	24.1	22.3	28.5	32.3	33.2	22.8					
	240	311	125	171	153	71	23	101	492	214	74					
	12.1	16.7	6.5	9.6	7.7	3.6	1.2	5.1	24.9	10.8	3.8					
Downhill Skating	13.7	16.1	8.5	8.9	6.7	1.7	2.5	7.0	5.6	5.2	5.9	14.4				
	60	121	36	44	37	-	-	25	86	33	19					
	16.4	24.3	7.2	9.9	7.5	1.0	0.5	5.1	17.6	6.8	3.9					
Scuba Diving	4	6	3	4	2	-	2	2	2	2	2					
	25	47	12	19	10	-	-	-	34	11	-					
	14	27	7	11	6	-	1	3	20	6	4					
Snowshoeing	1	1	3	4	5	3	12	3	3	4	-					
	17	60	12	21	25	10	13	10	49	24	15					
	11	22	4	5	9	4	5	4	18	9	6					

- Population estimate less than 10,000

TABLE A1-6 (continued)

Activity	Managerial Administrative and Related			Technological Social and Cultural			Clerical and Related			Sales Service			Farming Horticultural and Animal Husbandry			Other Primary			Processing			Machinery, Product Fabricating and Construction Trades			Other Occupations			Occupations not Stated			Range
	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	
Soccer	7.7	46	9.0	9.6	72	13.9	5.9	25	4.8	9.3	46	8.8	6.0	18	3.4	7.8	-	1.5	5.9	21	4.0	9.7	148	8.8	57	10.9	9.3	30	5.8	3.8	
Attending a Sporting Event as a Spectator	59.6	359	11.3	55.7	419	13.2	50.2	210	298	60.5	298	49.0	47.3	140	4.4	49.2	50	1.6	50.8	181	5.7	51.9	790	52.7	340	39.5	127	4.0	39.5	21.0	
Strength Sports	3	16	11	3	22	15	2	-	6	4	20	3	1	-	1	2	-	1	2	5	2	2	35	3	16	2	7	5	2	3	
Attending a Live Theatre or Concert Performance	57.7	348	13.6	64.0	481	18.8	47.6	199	249	50.5	249	36.2	29.2	86	3.3	23.6	24	0.9	30.9	110	4.3	35.1	535	34.2	221	34.3	111	4.3	34.3	40.4	
Tobogganing or Sledding	25.8	156	11.6	27.1	204	15.1	18.6	78	141	28.6	141	19.4	14.3	42	3.1	13.2	13	1.0	19.8	71	5.2	23.2	353	20.4	132	16.5	53	3.9	16.5	15.4	
Track and Field	5	29	13	6	44	19	2	-	3	5	22	3	3	-	4	2	-	1	3	10	2	4	3	19	3	2	-	3	2	4	

- Population estimate less than 10,000

Table 2.6 (continued)

Activity	Managerial and Community Development		Technical and Cultural		Clerical and Related		Sales		Farming, Hunting and Animal Husbandry		Other Primary Processing		Manufacturing, Fabricating and Trades		Other Services		Total	Range
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD		
Viewing or Photographing or Collecting Plants in Their Natural Surroundings	13.6	21.4	15.1	15.1	14.4	11.9	15.1	11.9	8.8	16.1	11.1	13.9	11.5	11.2	11.8	36	11.2	11.8
	82	153	61	74	61	65	74	65	26	16	39	211	74	36	74	36	36	36
	9.8	18.2	7.3	8.9	7.3	7.3	8.9	7.3	3.1	1.9	4.7	5.4	8.8	4.4	8.8	4.4	4.4	4.4
Photographing or Collecting Rocks in Their Natural Surroundings	10.6	17.3	10.3	12.9	10.3	11.9	12.9	11.9	6.7	13.3	9.4	11.1	10.3	9.4	10.3	9.4	9.4	9.4
	64	135	43	64	43	43	64	43	20	17	34	118	67	30	67	30	30	30
	9.6	20.2	6.5	9.5	6.5	6.4	9.5	6.4	3.0	2.0	5.1	23.8	16.5	4.3	16.5	4.3	4.3	4.3
Viewing, Photographing or Collecting Rocks in Their Natural Surroundings	10.1	15.1	9.7	9.5	9.7	7.7	9.5	7.7	8.6	8.1	6.5	8.6	6.7	6.9	6.7	6.9	6.9	6.9
	62	114	41	47	41	42	47	42	16	16	23	131	43	22	43	22	22	22
	11.3	20.7	7.4	8.6	7.4	7.7	8.6	7.7	3.0	1.7	4.2	23.8	7.8	4.1	7.8	4.1	4.1	4.1
Volleyball	11.2	13.5	9.8	10.3	9.8	9.6	10.3	9.6	7.4	10.3	8.5	9.3	11.8	9.2	11.8	30	9.2	6.1
	69	102	41	50	41	52	50	52	22	10	30	1	64	30	64	30	30	30
	11.1	17.9	6.7	8.6	6.7	8.6	8.6	8.6	3.6	1.6	4.9	23.2	11.8	6.8	11.8	6.8	6.8	6.8
Basketball	62.5	66.2	57.6	59.7	57.6	47.1	59.7	47.1	33.4	60.9	51.1	55.2	47.9	55.6	47.9	55.6	32.8	32.8
	377	497	294	267	294	267	267	267	99	62	185	841	308	180	308	180	180	180
	11.2	14.8	7.4	8.8	7.4	8.0	8.8	8.0	4.7	1.3	5.5	8.1	9.2	8.4	9.2	8.4	8.4	8.4

- Population estimate less than 10,000

TABLE AI-6 (continued)

Activity	Managerial Administrative and Related			Technological Social and Cultural			Clerical and Related			Sales			Service			Farming Horticultural and Animal Husbandry			Other Primary			Processing			Machinery, Product Fabricating and Construction Trades			Other Occupations not Stated			Range			
	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	c	n	r	
Water-skiing	15.6			14.5			10.5			13.7			8.8			8.2			9.3			10.7			9.4			7.6			8.4			8.0
	94			109			44			68			48			24			-			38			143			49			27			
	14.4			16.7			6.7			10.3			7.4			3.7			1.4			5.8			21.8			7.5			4.2			
Visiting a Zoo or Botanical Garden	37.5			44.3			31.6			42.7			33.2			21.6			24.4			36.0			34.3			36.1			26.8			22.7
	226			333			132			210			182			64			25			128			522			232			86			
	10.6			15.5			6.2			9.8			8.5			3.0			1.1			6.0			24.4			10.9			4.0			

- Population estimate less than 10,000

TABLE A1-7\*  
INCIDENCE OF PARTICIPATION IN THE PAST 12 MONTHS IN SELECTED RECREATIONAL ACTIVITIES  
BY HOUSEHOLD INCOME OF THE ONTARIO POPULATION

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown	Range
	c	n	r	c	n	r	c	n	r	c
Attending an Annually Scheduled Fair, Exhibition, Sportsman Show, Festival	33.2%	45.6%	53.6%	57.9%	63.4%	61.7%	68.6%	66.7%	55.3%	35.4%
	74	232	524	448	578	469	287	208	696	
	2.1%	6.6%	14.9%	12.7%	16.4%	13.3%	8.2%	5.9%	19.4%	
Badminton	5.3	7.1	10.8	13.7	12.6	16.7	15.2	16.4	11.1	11.4
	12	35	106	106	115	127	64	51	137	
	1.5	4.7	13.8	13.9	15.1	16.6	8.4	6.7	19.2	
Baseball or Softball	7.1	13.4	18.8	19.1	20.8	21.5	19.2	21.5	20.0	14.4
	16	68	183	147	190	163	80	67	251	
	1.4	5.9	15.7	12.6	16.3	14.0	6.9	5.7	21.6	
Basketball	4.7	7.7	9.6	11.0	12.4	12.7	13.9	11.3	13.9	9.2
	11	39	94	85	113	97	58	35	173	
	1.5	5.6	13.3	12.0	16.0	13.7	8.3	5.0	24.6	
Recreational Trail-biking	1	3	5	3	5	6	5	5	5	
	-	17	44	24	45	44	21	14	57	
	1	6	16	9	17	16	5	5	21	

Note:

- 1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
- 2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
- 3. No decimal value is given for percentage figures where the reliability of the decimal is low

\* Corresponds to Table I-7 in Chapter I  
- Population estimate less than 10,000

TABLE A1-7 (continued)

Activity		Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown	Range
Other Boating (Rowboating, Kayaking, etc.)	c	3.8	6.2	8.2	8.8	14.0	12.8	15.0	14.7	8.9	11.2
	n	-	31	80	68	128	98	63	46	112	
	r	1.4	4.9	12.6	10.7	20.1	15.4	9.9	7.2	17.8	
Canoeing	c	4.5	6.8	12.6	13.9	19.6	21.2	24.4	25.9	16.5	21.4
	n	10	35	123	107	178	161	102	81	208	
	r	1.0	3.4	12.2	10.7	17.7	16.0	10.2	8.0	20.7	
Visiting a Private Cottage, Chalet, Hobby Farm	c	25.7	33.7	41.7	43.1	55.8	57.5	57.7	63.5	40.9	37.8
	n	57	171	406	332	505	434	240	197	512	
	r	2.0	6.0	14.2	11.6	17.7	15.2	8.4	6.9	18.0	
Curling	c	2	3	3	3	8	7	8	8	3	6
	n	-	15	33	25	70	51	32	25	42	
	r	2	5	11	8	24	17	11	9	14	
Football (Canadian)	c	3.3	6.2	8.5	8.3	12.1	11.0	12.8	14.6	12.8	11.3
	n	-	32	83	64	110	83	54	45	161	
	r	1.2	5.0	12.9	10.0	17.3	13.1	8.4	7.1	25.1	
Recreational Driving	c	48.6	59.1	67.0	65.5	69.6	70.4	71.4	61.0	59.4	22.8
	n	108	301	653	505	633	536	299	188	747	
	r	2.7	7.6	16.5	12.7	15.9	13.5	7.5	4.7	18.9	
Handball	c	-	2	3	2	3	2	3	4	3	4
	n	-	12	29	19	31	18	11	13	42	
	r	-	7	16	11	18	10	6	8	24	

- Population estimate less than 10,000

TABLE A1-7 (continued)

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown	Range
Big Game Hunting	c 3 n - r 3	2 15 6	5 47 18	5 36 14	5 52 26	5 35 13	4 18 7	5 16 6	3 32 12	4 32 12
Small Game Hunting	c 7.1 n 16 r 2.9	7.1 36 6.4	8.9 27 15.4	9.7 75 13.4	10.9 100 17.7	12.5 95 16.9	9.6 40 7.1	12.8 40 7.1	5.9 74 13.1	6.9 74 13.1
Waterfowl Hunting	c 2 n - r 2	2 15 7	2 42 18	2 27 12	4 56 17	5 39 17	2 18 8	6 18 8	2 25 11	2 25 11
Gymnastics	c 2 n - r 2	2 19 7	4 40 14	5 35 12	5 51 18	6 46 17	5 20 7	5 15 5	4 53 18	4 53 18
Recreational Motorcycling	c 2.7 n - r 1.0	3.7 19 5.7	5.0 49 15.0	8.4 34 10.5	6.6 40 18.4	5.0 38 11.8	5.0 25 7.5	8.2 25 7.5	5.5 69 21.2	5.5 69 21.2
Visiting Nature Displays or Exhibits	c 20.4 n 46 r 2.4	21.2 108 5.7	21.3 306 16.2	32.4 251 13.2	25.7 324 17.2	38.0 289 14.3	36.7 154 8.2	31.4 98 5.2	24.7 311 14.5	17.6 311 14.5
Going on a Guided Nature Tour	c 4.0 n - r 2.2	2.9 20 5.1	6.8 67 17.2	5.8 45 11.6	6.2 61 15.6	7.8 58 15.0	6.7 28 7.2	4.3 14 4.5	6.9 87 22.4	3.7 87 22.4

- Population estimate less than 10,000

BY HOUSEHOLD INCOME IN ONT.

TABLE A1-7 (continued)

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$5,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown	Range
Picnicking	c 39.0 n 86 r 2.3	52.8 269 7.3	63.7 623 16.9	62.2 481 13.1	64.6 588 16.0	63.8 484 13.2	61.2 256 7.0	60.7 189 5.1	55.9 703 19.1	25.6
Satting	c 2.5 n - r 1.4	2.8 14 3.7	2.7 27 6.9	4.0 31 8.0	6.4 58 15.1	8.0 61 15.8	14.3 60 15.6	18.9 59 15.2	5.6 70 18.2	16.4
Roller Skating	c 4 n - r 3	3 14 4	4 38 12	5 35 11	7 62 20	6 47 15	5 22 7	6 19 6	5 68 22	4
Ice Skating	c 9.2 n 20 r 1.0	17.9 91 4.6	29.4 288 14.4	32.3 250 12.5	38.0 346 17.3	40.6 309 15.5	38.1 160 8.0	39.1 122 6.1	32.8 412 20.6	31.4
Downhill Skiing	c 2.1 n - r 1.0	1.9 10 2.0	3.4 34 6.8	5.1 39 7.9	9.5 87 17.6	9.9 75 15.2	16.3 68 13.8	18.9 59 11.9	9.3 117 23.7	17.0
Skin or Scuba Diving	c 1 n - r 2	1 - 3	1 11 6	2 16 9	4 34 19	4 27 16	4 15 8	8 25 14	3 41 23	7
Snowshoeing	c 4 n 10 r 4	2 11 4	5 44 16	4 27 10	5 45 17	6 42 16	6 25 9	6 19 7	4 46 17	4

- Population estimate less than 10,000

c - participation rate of

TABLE A1-7 (continued)

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or unknown	Range
Soccer	c 2.6	5.3	8.9	7.9	9.3	10.4	9.7	6.6	9.0	1.8
	n -	27	87	61	85	79	41	21	113	
	r 1.1	5.2	16.7	11.8	16.4	15.2	7.8	4.0	21.7	
Attending a Sporting Event as a Spectator	c 23.7	36.3	49.2	52.2	58.5	59.4	64.1	63.1	51.7	40.4
	n 53	185	480	404	533	451	269	196	651	
	r 1.7	5.7	14.9	12.5	16.6	14.0	8.3	6.1	20.2	
Strength Sports	c -	2	3	3	3	2	4	4	4	4
	n -	-	25	21	30	16	16	12	22	
	r -	5	16	14	20	11	11	8	15	
Attending a Live Theatre or Concert Performance	c 26.1	32.6	34.5	35.7	45.2	50.3	57.4	62.0	42.1	35.9
	n 58	166	337	276	412	383	241	193	530	
	r 2.2	6.4	13.0	10.6	15.9	14.8	9.3	7.4	20.4	
Tobogganing or Sledding	c 5.5	12.7	21.3	23.5	26.0	26.0	26.4	25.4	21.2	21.1
	n 12	65	208	181	237	198	111	79	264	
	r 0.9	4.8	15.3	13.3	17.4	14.6	8.2	5.8	19.7	
Track and Field	c -	2	4	4	4	5	4	6	4	6
	n -	-	35	27	36	36	18	17	52	
	r -	4	15	12	16	16	9	7	23	

- Population estimate less than 10,000

TABLE AI-7 (continued)

Activity	Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown	Range
Viewing or Photographing Birds, Animals or Fish in Their Natural Surroundings	c	6.4	14.6	14.2	16.0	16.7	16.1	20.1	9.9	13.7
	n	14	143	110	146	127	67	63	124	
	r	1.7	16.9	13.0	17.2	15.0	7.9	7.4	14.6	
Viewing, Photographing or Collecting Plants in Their Natural Surroundings	c	4.5	10.8	11.3	12.6	14.2	12.8	10.7	9.5	9.7
	n	10	105	87	115	108	54	33	119	
	r	1.5	15.5	12.9	17.0	16.0	8.0	4.9	17.6	
Viewing, Photographing or Collecting Rocks in Their Natural Surroundings	c	5.4	9.5	8.3	11.9	12.2	10.2	9.2	6.6	6.8
	n	12	93	64	108	93	43	29	83	
	r	2.2	16.8	11.5	19.5	16.7	7.7	5.2	15.0	
Volleyball	c	5.1	8.4	8.0	11.7	13.1	13.9	9.5	10.3	8.8
	n	11	82	62	107	99	58	30	130	
	r	1.8	13.3	10.1	17.2	16.0	9.4	4.8	21.1	
Recreational Walking	c	48.8	56.9	52.5	55.6	55.7	58.9	51.5	56.4	10.1
	n	109	556	406	507	423	247	160	709	
	r	3.2	16.4	12.0	15.0	12.5	7.3	4.7	20.9	
Water-skiing	c	3.7	6.2	9.0	12.5	12.5	19.6	23.7	10.6	20.0
	n	-	61	69	114	95	82	74	133	
	r	1.3	9.3	10.6	17.4	14.4	12.5	11.2	20.2	
Visiting a Zoo or Botanical Garden	c	21.6	36.0	38.9	39.2	39.4	40.8	35.5	31.4	19.2
	n	428	352	301	357	299	171	111	395	
	r	16.8	13.8	11.8	14.0	11.8	6.7	4.4	15.5	

- Population estimate less than 10,000

TABLE AI-8\*  
INCIDENCE OF PARTICIPATION IN THE PAST 12 MONTHS IN SELECTED  
RECREATION ACTIVITIES

	Less than 5,000	5,000 to 10,000	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and over	Range
Attending an Annually Sched- uled Exhibition, Sportsman Show, Festival	11.4 139 3.9	55.1 139 3.9	62.5 195 5.6	58.9 151 4.6	56.2 457 13.0	42.4 653 18.6	57.1 983 27.9	10.1
Badminton	11.4 139 3.9	55.1 139 3.9	62.5 195 5.6	58.9 151 4.6	56.2 457 13.0	42.4 653 18.6	57.1 983 27.9	10.1
Baseball or Softball	11.4 139 3.9	55.1 139 3.9	62.5 195 5.6	58.9 151 4.6	56.2 457 13.0	42.4 653 18.6	57.1 983 27.9	10.1
Basketball	11.4 139 3.9	55.1 139 3.9	62.5 195 5.6	58.9 151 4.6	56.2 457 13.0	42.4 653 18.6	57.1 983 27.9	10.1
Trail-biking	11.4 139 3.9	55.1 139 3.9	62.5 195 5.6	58.9 151 4.6	56.2 457 13.0	42.4 653 18.6	57.1 983 27.9	10.1

1. c = participation rate (column %)  
n = population estimate of number of participants (in 000's) obtained from weighted responses  
r = distribution of participants (row %)
2. Numbers above the average participation rate for the Province are underlined (see Table I-9, Page 69)
3. No decimal value is given for percentage figures where the reliability of the decimal is low

\* Corresponds to Table I-8 in Chapter I  
- Population estimate less than 10,000

TABLE A1-8 (continued)

Activity	Less Than 5,000	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and over	Range
Other Boating (Rowboating, Kayaking, etc.)	c 10.6 n 162 r 25.6	8.6 22 3.5	11.1 35 5.5	11.3 29 4.6	11.8 96 15.1	11.7 146 23.1	8.3 143 22.6	3.5
Canoeing	c 16.1 n 246 r 24.5	19.6 51 5.1	19.4 61 6.0	15.0 39 3.8	20.1 164 16.3	17.0 212 21.1	13.5 233 23.2	6.6
Visiting a Private Cottage, Chalet, Hobby Farm	c 42.5 n 647 r 22.6	46.7 122 4.3	50.4 157 5.5	42.0 108 3.8	53.9 436 15.3	47.7 593 20.8	46.4 791 27.7	11.9
Curling	c 7 n 111 r 37	7 18 6	6 20 7	4 10 3	6 45 15	4 49 17	3 46 15	4
Football (Canadian)	c 9.2 n 140 r 21.9	10.7 28 4.4	9.5 30 4.6	7.9 20 3.2	10.6 86 13.5	11.2 139 21.8	11.4 196 30.6	3.5
Recreational Driving	c 68.8 n 1,049 r 26.4	63.8 166 4.2	70.7 221 5.6	68.6 176 4.4	70.7 574 14.5	66.3 826 20.8	55.7 955 24.1	15.0
Handball	c 2 n 34 r 20	1 - 1	5 16 9	2 - 3	4 34 20	3 33 19	3 48 28	4

- Population estimate less than 10,000

TABLE A1-# (continued)

Activity	Less Than 5,000		5,000 to 9,999		10,000 to 24,999		25,000 to 49,999		50,000 to 99,999		100,000 to 499,999		500,000 and over		Range
	c	n	c	n	c	n	c	n	c	n	c	n	c	n	
Big Game Hunting	c	8	9	4	8	5	2	1	8						
	n	120	24	13	20	36	22	23							
	r	46	9	5	8	14	9	9							
Small Game Hunting	c	15.8	16.4	11.7	11.2	10.1	5.5	3.6	12.8						
	n	241	43	37	29	82	68	63							
	r	42.9	7.6	6.5	5.1	14.6	12.2	11.1							
Waterfowl Hunting	c	7	8	5	6	3	2	2	6						
	n	101	19	14	15	26	24	27							
	r	45	8	6	7	11	11	12							
Gymnastics	c	4	5	5	3	6	4	5	3						
	n	69	13	16	-	50	47	88							
	r	23	5	6	3	17	17	30							
Recreational Motorcycling	c	8.0	3.9	5.0	8.0	5.3	5.3	2.8	5.2						
	n	122	10	16	20	43	66	49							
	r	37.4	3.1	4.9	6.1	13.2	20.3	15.0							
Visiting Nature Displays or Exhibits	c	61.5	24.5	34.0	34.6	30.6	21.1	15.1							
	n	463	66	106	89	331	391	439							
	r	24.6	3.5	5.6	4.7	17.6	20.7	23.3							
Going on a Guided Nature Tour	c	7.1	5.8	9.1	7.8	6.4	6.6	4.7	4.4						
	n	109	15	28	20	52	82	82							
	r	28.1	3.9	7.2	5.2	13.4	21.1	21.1							

- Population estimate less than 10,000

TABLE AI-8 (continued)

Activity		Less Than 5,000		5,000 to 9,999		10,000 to 24,999		25,000 to 49,999		50,000 to 99,999		100,000 to 499,999		500,000 and over		Range
		c	n	c	n	c	n	c	n	c	n	c	n	c	n	
Picnicking	c	60.3		56.7		62.7		58.3		61.9		59.6		59.2		6.0
	n	922		148		196		149		504		742		1,016		
	r	25.1		4.0		5.3		4.1		13.7		20.2		27.6		
Sailing	c	4.3		4.1		6.1		3.3		7.0		6.7		8.2		4.9
	n	67		11		19		-		57		84		140		
	r	17.3		2.8		4.9		2.2		14.7		21.7		36.4		
Roller Skating	c	4		5		8		4		8		5		4		4
	n	68		12		24		11		61		60		76		
	r	22		4		8		3		20		19		24		
Ice Skating	c	34.2		33.4		33.6		34.5		34.3		33.3		29.0		5.5
	n	524		87		105		88		280		415		499		
	r	26.2		4.3		5.3		4.4		14.0		20.8		25.0		
Downhill Skiing	c	5.6		5.9		8.8		4.0		9.2		9.9		9.0		5.9
	n	85		16		28		10		75		124		156		
	r	17.2		3.2		5.7		2.0		15.2		25.1		31.6		
Skin or Scuba Diving	c	1		3		3		3		3		3		4		3
	n	20		-		-		-		23		41		68		
	r	12		4		5		5		13		23		39		
Snowshoeing	c	6		8		4		5		5		4		3		5
	n	93		21		11		13		38		48		43		
	r	35		8		4		5		14		18		16		

- Population estimate less than 10,000

TABLE A1-2 (continued)

Activity	Less than 5,000	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and above	Range
Soccer	1 n 14.1	7 n 19	9 n 31	6 n 17	8 n 72	7 n 91	9 n 10	4.1 to 30.5
Attending a Live Theatre Event as a Participant	1 n 14.9	5 n 145	5 n 181	5 n 142	5 n 476	5 n 641	5 n 21.3	4.1 to 11.4
Travelling	1 n 36	2 n -	2 n -	2 n -	3 n 37	2 n 1	2 n 3.4	1 to 3.4
Attending a Live Theatre or Concert Performance	1 n 14.6	5 n 529	5 n 1,414	5 n 104	5 n 436	5 n 467	5 n 13.3	4.1 to 13.3
Tobogganing or Sledding	1 n 23.5	1 n 360	1 n 51	1 n 22.3	1 n 24.7	1 n 20.3	1 n 10.1	4.1 to 24.7
Track and Field	1 n 4	1 n 53	1 n 14	1 n -	1 n 52	1 n 3	1 n 20	4.1 to 20

- Population estimate less than 10,000

TABLE AI-8 (continued)

Activity	Less Than 5,000	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and over	Range
Viewing or Photographing Birds, Animals or Fish in Their Natural Surroundings	c 13.8 n 212 r 25.0	12.4 32 3.8	17.9 56 6.6	15.6 40 4.7	16.4 133 15.7	14.2 278 20.9	11.5 197 23.3	6.4
Viewing, Photographing or Collecting Plants in Their Natural Surroundings	c 10.8 n 166 r 24.5	11.8 31 4.6	11.5 36 5.3	9.5 24 3.6	11.0 89 13.2	12.5 156 23.1	10.1 173 25.7	3.0
Viewing, Photographing or Collecting Rocks in Their Natural Surroundings	c 10.3 n 157 r 28.3	8.3 22 4.0	10.7 33 6.0	13.3 34 6.1	9.4 76 13.7	10.1 126 22.8	6.2 106 19.1	7.1
Volleyball	c 9.8 n 151 r 24.3	8.7 23 3.7	12.5 39 6.3	7.1 18 2.9	11.9 97 15.6	10.9 125 20.2	9.7 167 27.0	5.4
Recreational Walking	c 49.6 n 758 r 22.4	46.1 120 3.5	55.9 175 5.2	61.5 158 4.6	55.2 449 13.3	54.8 683 20.1	60.8 1,046 30.9	15.4
Water-skiing	c 10.7 n 164 r 24.9	10.8 28 4.3	12.1 38 5.8	10.3 26 3.9	13.3 109 16.6	8.8 110 16.7	10.6 183 27.8	4.5
Visiting a Zoo or Botanical Garden	c 28.4 n 435 r 20.1	25.8 67 3.1	32.0 100 4.6	32.7 84 3.9	38.8 316 14.6	39.4 491 22.7	38.9 670 31.0	13.6

TABLE A11-2\*  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT BY AGE  
AND SEX CATEGORIES OF THE ONTARIO POPULATION

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	Male	c	2.3	1.9	1.3	0.7	0.7	1
		p	3.3	2.8	2.3	1.5	1.8	2
	Female	c	2.7	1.7	1.2	0.8	0.8	1.5
		p	3.8	2.7	2.2	2.0	2.8	2.
Badminton	Male	c	7.0	2.1	1.4	-	-	2.5
		p	25.3	15.1	19.1	-	-	20
	Female	c	8.0	2.5	0.6	-	-	
		p	23.4	17.4	9.7	-	-	19.9
Baseball or Softball	Male	c	11.7	3.5	1.3	-	-	3.8
		p	18.8	12.8	12.3	-	-	15.
	Female	c	7.9	0.7	0.3	-	-	1.8
		p	15.4	7.8	5.7	-	-	13.2
Basketball	Male	c	12.3	2.2	-	-	-	3.2
		p	24.6	17.1	-	-	-	21.6
	Female	c	7.9	0.4	-	-	-	1.7
		p	22.2	13.8	-	-	-	20.9
Visiting a Private Cottage, Chalet, Hobby Farm	Male	c	10.9	9.1	10.3	9.8	10.4	9.4
		p	21.2	16.3	21.7	20.1	26.7	19.8
	Female	c	13.0	7.4	11.1	9.5	4.2	9.0
		p	25.2	14.1	22.8	20.8	15.0	19.7
Curling	Male	c	0.8	1.1	0.8	1.0	-	0.9
		p	9.7	17.9	12.8	16.3	-	14.6
	Female	c	-	0.4	0.9	-	-	0.5
		p	-	9.2	18.8	-	-	12.5
Football (Canadian)	Male	c	11.1	1.5	0.3	-	-	2.8
		p	19.1	8.7	7.0	-	-	15.5
	Female	c	1.4	-	-	-	-	
		p	10.9	-	-	-	-	9.1
Recreational Driving	Male	c	20.8	22.4	14.1	15.4	16.6	18.3
		p	36.5	30.5	20.9	25.4	28.9	28.3
	Female	c	18.6	22.7	15.1	15.5	15.1	18.0
		p	29.9	31.5	24.0	24.2	27.9	28.0
Hunting	Male	c	3.6	2.6	1.9	1.8	-	2.4
		p	15.3	10.5	9.7	13.9	-	11.8
	Female	c	-	-	-	-	-	
		p	-	-	-	-	-	6.4

Note:

1. c = occasions per capita  
p = occasions per participant

\* Corresponds to Table II-2 in Chapter II

- No estimate for number of occasions is given where the reliability is low

AVERAGE ANNUAL OCCASIONS PER CAPITA " PER PARTICIPANT BY AGE  
AND SEX CATEGORIES OF ONT. POPN

TABLE AII-2 (continued)

Activity	Sex		12 to 19	20 to 34	35 to 49	50 to 64	65 and over	Average
Gymnastics	Male	c	5.2	-	-	-	-	2.4
		p	51.7	-	-	-	-	69.9
	Female	c	6.7	4.2	-	-	-	3.1
		p	37.2	86.2	-	-	-	53.7
Organized Nature Appreciation	Male	c	2.2	2.7	1.8	1.5	0.9	2.0
		p	4.4	5.0	3.6	3.8	3.5	4.3
	Female	c	3.0	2.8	1.6	1.5	1.2	2.2
		p	5.4	4.6	3.1	3.5	4.2	4.2
Picnicking	Male	c	4.3	3.9	3.9	2.3	1.9	3.4
		p	6.9	6.0	6.4	4.6	3.4	5.9
	Female	c	5.1	5.4	4.2	3.2	1.9	4.3
		p	6.9	7.6	6.6	6.9	4.9	6.9
Ice Skating	Male	c	14.6	4.3	2.7	0.8	-	5.1
		p	19.9	10.3	9.6	12.0	-	14.3
	Female	c	8.9	2.4	1.5	0.5	-	2.9
		p	13.1	6.7	7.2	10.8	-	9.7
Downhill Skiing	Male	c	1.0	0.8	0.5	-	-	0.6
		p	5.9	8.3	7.5	-	-	7.4
	Female	c	1.6	0.8	0.5	-	-	0.7
		p	9.8	7.5	9.7	-	-	8.8
Soccer	Male	c	6.5	1.1	0.8	-	-	1.9
		p	15.8	9.8	12.6	-	-	13.8
	Female	c	2.8	-	-	-	-	0.6
		p	18.0	-	-	-	-	16.7
Attending a Sporting Event as a Spectator	Male	c	20.5	11.3	12.3	6.0	2.6	11.8
		p	24.4	17.2	21.3	13.1	9.0	19.3
	Female	c	13.5	6.6	7.7	3.0	1.0	6.9
		p	19.9	13.4	16.3	11.0	8.1	15.6
Attending a Live Theatre or Concert Performance	Male	c	3.6	3.0	1.3	1.6	0.4	2.3
		p	6.3	7.4	3.7	5.5	2.6	5.9
	Female	c	3.2	2.6	2.6	2.4	1.4	2.5
		p	5.3	5.7	5.5	6.0	5.7	5.6
Tobogganing or Sledding	Male	c	4.5	1.0	0.7	-	-	1.4
		p	8.1	3.9	4.7	-	-	6.0
	Female	c	5.1	1.3	0.6	-	-	1.5
		p	9.8	5.3	4.9	-	-	7.3
Track and Field	Male	c	4.5	0.8	-	-	-	1.2
		p	25.5	24.9	-	-	-	25.5
	Female	c	3.1	-	-	-	-	0.6
		p	23.9	-	-	-	-	22.8

- No estimate for number of occasions is given where the reliability is low

c - occasion per capita  
p - occasion per participants (Annual)

TABLE 2. RECREATION

Activity	Sex	Category	1960-64	1965-69	1970-74	1975-79	1980-84	1985-89
Personal Nature Appreciation	Male	c	8.8	10.0	10.8	11.1	10.3	10.3
		p	8.8	10.0	10.8	11.1	10.3	10.3
	Female	c	8.7	10.0	10.8	11.1	10.3	10.3
		p	8.8	10.0	10.8	11.1	10.3	10.3
Volleyball	Male	c	6.1	10.8				6.1
		p	51.7	10.0				10.0
	Female	c	10.1	10.0				10.0
		p	10.1	10.0				10.0
Recreational Walking	Male	c	44.0	47.1	47.1	48.2	48.2	48.2
		p	44.0	47.1	47.1	48.2	48.2	48.2
	Female	c	48.0	48.8	48.0	48.2	48.2	48.2
		p	48.0	48.8	48.0	48.2	48.2	48.2
Water-skiing	Male	c	3.8	1.3	0.8			1.3
		p	3.8	1.3	0.8			1.3
	Female	c	3.7	0.4	0.8			0.8
		p	3.8	0.4	0.8			0.8

- No estimate for number of occasions is given where the reliability is low

TABLE AII-4\*  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT  
BY EDUCATION LEVELS OF THE ONTARIO POPULATION

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	c	1.1	2.0	1.5	1.7	1.8
	p	2.2	3.3	2.6	2.6	2.8
Badminton	c	2.6	2.9	1.8	1.9	2.8
	p	30.6	19.5	16.0	13.9	16.5
Baseball or Softball	c	4.3	3.2	1.4	2.0	1.6
	p	20.3	13.2	10.2	13.6	9.7
Basketball	c	3.8	3.5	1.1	0.8	1.5
	p	27.7	21.5	19.3	14.1	11.9
Visiting a Private Cottage, Chalet, Hobby Farm	c	6.2	10.4	9.3	12.5	13.7
	p	17.2	22.0	17.9	20.8	21.1
Curling	c	0.1	0.6	0.8	0.8	1.6
	p	6.9	12.1	14.6	13.1	18.4
Football (Canadian)	c	2.4	2.2	0.7	0.4	1.0
	p	21.3	14.8	11.9	6.5	7.5
Recreational Driving	c	14.0	18.8	21.3	21.1	18.6
	p	25.2	29.8	30.4	28.3	26.3

Note:

1. c = occasions per capita  
p = occasions per participant

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\* Corresponds to Table II-4 in Chapter II

TABLE AII-4 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>
Hunting	c	1.0	2.3	1.1	0.8	0.8
	p	9.4	16.6	9.4	8.4	8.9
Gymnastics	c	2.8	3.7	1.9	3.6	1.9
	p	53.0	59.2	60.9	92.6	54.4
Organized Nature Appreciation	c	1.7	1.6	2.5	2.8	2.6
	p	4.3	3.2	4.7	4.9	4.3
Picnicking	c	3.5	3.5	4.0	4.2	4.7
	p	6.3	5.6	6.7	6.5	7.2
Ice Skating	c	4.8	4.7	2.9	3.1	3.8
	p	17.3	25.3	9.9	9.6	9.9
Downhill Skiing	c	0.4	0.4	0.4	1.0	1.7
	p	8.4	6.3	5.5	13.4	8.9
Soccer	c	2.3	1.5	0.5	0.4	0.6
	p	19.3	13.0	11.8	10.2	7.9
Attending a Sporting Event as a Spectator	c	7.5	11.5	10.1	9.5	7.7
	p	18.0	19.7	18.3	17.2	13.4
Attending a Live Theatre or Concert Performance	c	1.2	2.0	2.2	2.8	5.9
	p	4.4	5.3	5.0	5.6	8.4
Tobogganing or Sledding	c	2.2	2.0	0.8	1.0	0.9
	p	10.1	7.6	4.6	4.4	3.8

TABLE AII-4 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>
Track and Field	c	1.1	1.3	0.5	0.2	0.9
	p	16.9	33.4	23.6	19.0	31.3
Personal Nature Appreciation	c	2.1	1.7	2.5	3.7	6.2
	p	12.2	8.8	11.3	13.2	17.5
Volleyball	c	3.1	2.9	0.9	0.4	1.0
	p	27.8	20.6	14.4	7.7	8.7
Recreational Walking	c	39.6	35.9	33.9	39.7	41.8
	p	74.6	71.8	61.3	66.9	63.5
Water-skiing	c	1.0	1.7	0.7	0.4	1.1
	p	15.2	14.4	6.6	2.7	6.3

TABLE AII-5\*  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT  
BY EDUCATION LEVELS OF THE HEADS OF HOUSEHOLD

Activity		Less Than Grade 9	Grade 9 to 11, No Other	Grade 9 to 13	Grade 12 to 13, Some Other	University
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	c	1.3	1.4	1.8	1.6	1.7
	p	2.6	2.5	2.9	2.6	2.6
Badminton	c	3.0	1.6	1.7	2.5	3.5
	p	29.2	16.7	14.4	15.8	19.1
Baseball or Softball	c	2.8	3.4	2.6	2.8	2.0
	p	15.6	16.9	13.8	14.7	11.3
Basketball	c	2.2	2.4	2.6	2.4	2.6
	p	19.5	22.5	24.6	23.8	17.6
Visiting a Private Cottage, Chalet, Hobby Farm	c	5.7	8.9	11.1	12.8	14.5
	p	15.7	19.5	20.7	21.8	22.2
Curling	c	0.2	0.4	0.9	1.0	1.3
	p	9.0	10.1	15.8	15.0	16.0
Football (Canadian)	c	1.5	1.7	1.5	1.0	1.6
	p	14.9	19.4	14.9	10.1	12.4

Note:

1. c = occasions per capita
- p = occasions per participant

\* Corresponds to Table II-5 in Chapter II

TABLE AII-5 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>
Recreational Driving	c	16.8	19.0	18.6	19.7	19.0
	p	28.5	29.4	27.8	26.5	28.2
Hunting	c	1.2	2.6	1.0	0.6	0.6
	p	10.2	19.2	8.7	6.7	8.5
Gymnastics	c	2.4	2.8	2.7	3.6	3.5
	p	55.2	68.0	52.2	65.4	72.6
Organized Nature Appreciation	c	1.2	1.9	2.0	3.9	2.6
	p	3.0	4.0	3.9	6.5	4.3
Picnicking	c	3.6	3.6	3.8	4.3	4.4
	p	6.4	6.0	6.1	6.5	6.8
Ice Skating	c	3.2	5.1	4.2	3.4	4.6
	p	13.3	15.5	12.1	9.2	11.3
Downhill Skiing	c	0.1	0.2	0.5	1.1	2.0
	p	3.6	4.5	7.1	9.3	10.3
Soccer	c	1.1	1.9	1.1	1.3	0.9
	p	14.0	19.8	14.1	14.2	9.9
Attending a Sporting Event as a Spectator	c	7.5	11.3	10.7	10.6	7.7
	p	17.5	20.8	18.8	17.9	13.8
Attending a Live Theatre or Concert Performance	c	1.2	1.7	2.1	3.0	5.6
	p	4.4	4.7	4.8	5.8	8.4

TABLE AII-5 (continued)

<u>Activity</u>		<u>Less Than Grade 9</u>	<u>Grade 9 to 11, No Other</u>	<u>Grade 9 to 13</u>	<u>Grade 12 to 13, Some Other</u>	<u>University</u>
Tobogganing or Sledding	c	0.9	1.7	1.4	2.7	1.5
	p	5.4	7.5	6.1	10.6	5.3
Track and Field	c	0.4	0.9	0.8	1.3	1.6
	p	14.1	23.6	21.5	29.8	32.1
Personal Nature Appreciation	c	1.6	1.4	2.8	4.9	4.9
	p	10.9	7.0	11.5	17.1	15.5
Volleyball	c	1.9	2.3	2.2	1.9	1.5
	p	21.4	21.7	22.5	17.5	11.7
Recreational Walking	c	36.5	34.0	35.3	46.7	43.1
	p	70.9	68.9	65.0	75.8	64.8
Water-skiing	c	0.2	0.7	1.8	0.8	2.0
	p	3.4	7.6	13.8	5.6	13.4

TABLE AII-6\*  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT  
BY OCCUPATION OF THE HEADS OF HOUSEHOLD

Activity		Managerial, Administrative and Related	Technological, Social and Cultural	Clerical and Related	Sales	Service	Farming, Horticultural and Animal Husbandry	Other Primary	Processing	Machinery, Product Fabricating and Construction Trades	Other Occupations	Occupations not Stated
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	c	2.1	1.5	1.4	1.6	1.3	1.8	1.3	1.7	1.4	1.5	1.4
	p	3.2	2.4	2.5	2.6	2.6	2.8	2.6	3.1	2.5	2.5	3.3
Badminton	c	3.6	2.5	2.6	3.0	2.6	-	-	2.2	2.1	2.6	1.9
	p	24.5	15.2	18.4	19.3	28.6	-	-	18.3	18.6	21.7	19.7
Baseball or Softball	c	1.9	2.6	4.3	2.5	2.5	3.4	-	3.2	3.0	2.9	2.2
	p	9.2	13.2	24.3	12.7	14.9	17.2	-	20.2	15.1	14.3	14.5
Basketball	c	3.7	2.4	2.6	1.5	2.6	-	-	1.5	2.4	2.7	3.3
	p	24.2	17.4	25.0	13.4	22.7	-	-	17.9	21.2	25.1	29.0
Visiting a Private Cottage, Chalet, Hobby Farm	c	13.8	12.4	10.7	14.8	7.6	3.4	10.7	8.1	8.4	8.9	4.3
	p	21.5	20.3	20.8	24.8	18.3	11.1	19.6	18.7	18.7	20.5	11.5
Curling	c	2.3	1.1	-	0.5	-	-	-	-	0.4	0.2	-
	p	26.4	15.6	-	10.5	-	-	-	-	12.0	6.2	-

Note:  
1. c = occasions per capita  
p = occasions per participant

\* Corresponds to Table II-6 in Chapter II  
- No estimate for number of occasions is given where the reliability is low

TABLE AII-6 (continued)

Activity	Managerial, Administrative and Related		Technological, Social and Cultural		Clerical and Related		Sales Service		Farming, Horticultural and Animal Husbandry		Other Primary		Processing		Machinery, Product Fabricating and Construction Trades		Other Occupations	
	c	p	c	p	c	p	c	p	c	p	c	p	c	p	c	p	c	p
Football (Canadian)	1.4	9.5	1.8	14.4	1.5	16.1	2.0	2.1	-	-	-	-	1.2	15.1	1.1	10.7	2.2	23.1
																		1.3
Recreational Driving	15.4	23.6	18.9	28.4	18.7	27.9	18.8	17.6	13.8	21.0	23.8	34.1	21.5	32.9	19.2	30.1	17.7	28.5
Hunting	0.9	10.8	0.7	9.6	0.9	14.7	0.8	1.2	2.9	20.7	4.4	11.6	1.5	10.0	0.9	7.2	2.7	17.0
Gymnastics	0.9	4.0	2.9	51.1	-	-	-	-	-	-	-	-	-	-	3.0	54.8	4.4	109.2
Organized Nature Supervision	1.9	3.3	2.4	4.1	2.4	5.0	2.6	2.7	0.8	2.2	0.9	2.0	1.4	3.3	2.3	4.7	1.7	4.4
Picnicking	4.2	5.0	4.2	6.4	3.4	6.0	4.2	3.8	2.4	4.4	4.8	7.8	4.4	4.4	4.0	4.3	4.2	6.8
Ice Skating	7.2	18.0	9.1	13.5	3.4	11.5	3.1	3.2	4.9	20.4	-	-	3.3	11.6	-	10.7	3.0	9.1
																		12.8
Swimming	1.1	11.8	1.6	16.1	0.1	0.8	0.7	0.3	-	-	-	-	0.2	4.3	0.3	5.4	0.2	3.0
Skiing																		-
Soccer	0.7	8.4	1.0	10.6	1.4	2.1	2.7	1.1	-	-	-	-	-	-	1.1	1.1	1.9	21.3
																		0.7
																		7.1

- No estimate for number of occasions is given where the reliability is low

TABLE AII-6 (continued)

Activity		Managerial, Administrative and Related	Technological, Social and Cultural	Clerical and Related	Farming, Horticultural and Animal Husbandry			Other Primary	Processing	Machinery, Product Fabricating and Construction Trades	Other Occupations	Occupations not Stated
					Sales	Service						
Attending a Sporting Event as a Spectator	c p	9.6 16.2	9.0 16.2	9.2 18.3	10.8 17.8	8.9 18.2	9.0 18.9	14.4 29.2	9.2 18.1	9.0 17.3	11.4 21.7	4.7 12.0
Attending a Live Theatre or Concert Performance	c p	4.2 7.2	5.0 7.8	2.7 5.8	2.7 5.4	1.7 4.6	1.2 4.0	- -	1.3 4.3	1.5 4.1	1.3 3.9	3.0 8.7
Tobogganing or Sledding	c p	3.1 12.0	1.5 5.5	1.0 5.6	2.0 6.8	1.2 6.2	1.3 9.0	- -	1.0 5.1	1.5 6.3	1.0 4.8	0.4 2.7
Track and Field	c p	1.4 29.3	0.9 15.9	- -	- -	- -	- -	- -	- -	0.9 20.8	- -	- -
Personal Nature Appreciation	c p	2.8 12.0	4.1 12.4	4.0 18.3	4.1 17.3	1.7 8.5	1.6 11.8	1.6 5.9	2.4 12.3	2.2 10.4	2.1 10.6	1.9 10.7
Volleyball	c p	2.1 18.6	1.9 14.1	2.1 20.9	2.0 20.1	1.5 15.7	- -	- -	0.8 9.3	2.2 23.4	2.6 26.5	1.6 17.0
Recreational Walking	c p	42.1 67.4	45.3 68.5	35.9 62.3	43.7 73.2	35.7 72.9	16.2 48.7	49.9 82.1	37.0 71.3	37.0 67.1	35.9 74.9	40.5 72.8
Water-skiing	c p	2.6 16.5	1.6 11.2	0.3 2.8	1.1 7.6	0.6 6.3	- -	- -	0.6 5.6	0.9 9.7	0.8 10.6	0.2 2.3

- No estimate for number of occasions is given where the reliability is low

Table A11-7\*

AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER PARTICIPANT BY HOUSEHOLD INCOME

Activity	Less Than \$3,000	\$3,000 to \$5,999		\$6,000 to \$9,999		\$10,000 to \$14,999		\$15,000 to \$19,999		\$20,000 to \$24,999		\$25,000 and over		Refused or no answer
		c	p	c	p	c	p	c	p	c	p	c	p	
Attending an Annually Scheduled Fair, Exhibition, Sportsman Show, Festival	0.8 2.4	1.1 2.3		1.4 2.5		1.7 2.6		1.4 2.3		1.9 2.7		1.9 2.8		1.9 4.8
Badminton	-	1.7 23.9		2.2 20.4		2.3 21.9		2.1 12.5		4.9 31.7		2.3 14.1		2.3 19.7
Baseball or Softball	-	2.0 14.5		3.4 18.0		3.0 14.1		2.5 11.6		3.3 16.9		1.7 7.9		1.7 14.0
Basketball	-	1.3 16.9		3.1 28.7		3.0 24.4		2.8 22.3		4.2 15.9		4.1 18.8		2.9 20.6
Visiting a Private Cottage, Chalet, Hobby Farm	4.2 11.5	5.7 16.4		7.0 16.0		8.1 17.9		12.2 21.6		14.3 24.2		17.3 19.8		8.5 20.1
Other	-	-		0.6 17.9		0.8 10.3		1.0 14.3		1.1 14.3		2.1 25.7		0.2 7.1

Notes:

c = occasions per capita  
p = occasions per participant

\* Corresponds to Table II-7 in Chapter II

- No estimate for number of occasions is given where the reliability is low

TABLE AII-7 (continued)

Activity		Less Than \$3,000	\$3,000 to \$5,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or Unknown
Football (Canadian)	c p	- -	0.3 5.3	1.7 20.3	1.2 14.6	2.4 19.7	1.1 10.1	1.9 14.4	1.7 11.6	1.7 13.1
Recreational Driving	c p	12.2 24.1	17.5 29.6	19.8 29.5	19.1 29.2	20.8 29.9	18.5 26.2	21.5 30.1	17.7 28.9	15.0 25.3
Hunting	c p	- -	1.1 13.7	1.0 8.7	0.9 7.3	1.5 11.7	2.4 17.3	1.1 9.7	1.4 9.2	0.8 11.2
Gymnastics	c p	- -	- -	2.3 56.1	3.0 65.6	3.8 67.3	5.7 89.4	- -	- -	1.4 34.1
Organized Nature Appreciation	c p	1.4 4.5	1.2 3.2	2.6 5.2	2.6 4.9	2.3 4.2	2.1 3.6	2.9 5.2	1.7 3.4	1.5 3.5
Picnicking	c p	2.2 3.5	3.4 6.5	4.3 6.8	4.4 7.1	4.5 6.9	4.7 7.3	4.5 7.0	3.2 5.3	2.9 5.1
Ice Skating	c p	- -	2.9 16.2	3.4 11.5	3.8 11.8	3.5 9.2	5.4 13.2	4.5 11.8	5.6 14.2	4.4 13.5
Downhill Skiing	c p	- -	- -	0.2 6.0	0.3 5.4	0.4 4.2	0.7 7.1	1.7 10.6	2.7 14.2	0.8 8.8
Soccer	c p	- -	0.5 9.9	1.1 11.7	1.1 14.0	1.5 16.2	1.2 11.6	1.3 13.0	- -	1.8 19.2

- No estimate for number of occasions is given where the reliability is low

TABLE A11-7 (continued)

Reliability	Less than \$3,000	\$3,000 to \$9,999	\$6,000 to \$9,999	\$10,000 to \$11,999	\$12,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 and over	Refused or no answer
Attending a Sporting Event as a spectator	C 2.9 P 10.2	4.6	9.8	9.2	11.8	10.8	11.4	10.8	8.3
		12.7	19.9	17.6	20.2	18.1	17.7	16.8	16.0
Attending a Live Theatre or Concert Performance	C 1.2 P 4.7	2.1	1.6	2.2	2.9	3.1	3.2	3.1	2.3
		6.4	4.7	6.1	5.6	6.1	5.6	6.9	5.1
Tobogganing or Sledding	C - P -	0.8	0.9	1.5	1.7	2.5	1.4	1.1	1.4
		6.2	4.2	6.2	6.4	9.5	7.0	3.1	7.1
Track and Field	C - P -	-	0.6	0.9	0.8	0.7	-	-	-
		-	17.0	25.5	21.2	15.1	-	-	-
Personal Nature Appreciation	C 2.4 P 20.5	2.4	2.8	2.4	3.2	2.3	4.5	1.2	1.7
		14.5	12.0	11.0	12.3	9.5	17.2	1.8	18.8
Volleyball	C - P -	1.5	1.4	2.0	2.4	2.5	1.9	2.0	1.0
		19.5	16.6	24.5	20.9	19.2	14.0	1.1	11.0
International Walking	C 36.4 P 74.6	46.6	39.1	36.9	35.2	34.8	31.0	-	34.5
		87.1	68.5	70.2	63.5	62.5	51.6	44.6	68.0
Water-skiing	C - P -	-	0.4	0.4	1.5	0.8	0.7	1.8	1.1
		-	6.4	4.8	11.0	6.1	4.1	6.1	13.6

- No estimate for number of occasions is given where the reliability is low

TABLE AII-8\*  
AVERAGE ANNUAL OCCASIONS PER CAPITA AND PER  
PARTICIPANT BY COMMUNITY SIZE

Activity		Less Than 5,000	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and over
Attending an Annually Sched- uled Fair, Exhibition, Sportsman Show, Festival	c	1.8	1.5	1.7	1.3	1.3	1.3	1.7
	p	2.9	2.8	2.7	2.2	2.3	2.4	2.9
Badminton	c	3.0	1.8	2.3	2.6	2.7	1.8	2.5
	p	26.5	18.3	18.3	26.1	18.1	14.7	18.8
Baseball or Softball	c	3.6	4.7	4.1	3.6	2.9	2.3	1.9
	p	15.7	23.8	18.6	22.0	13.6	12.8	12.0
Basketball	c	2.7	-	3.5	1.8	2.7	2.7	2.0
	p	23.2	-	26.3	17.5	20.4	25.7	17.3
Visiting a Private Cottage, Chalet, Hobby Farm	c	7.7	9.8	11.1	8.1	12.8	8.6	10.5
	p	17.3	20.6	21.0	18.5	22.7	17.3	21.7
Curling	c	1.4	-	-	-	0.4	0.7	0.2
	p	18.9	-	-	-	7.1	17.0	9.0

Note:

1. c = occasions per capita  
p = occasions per participant

\* Corresponds to Table II-8 in Chapter II

- No estimate for number of occasions is given where the reliability is low

TABLE AII-8 (continued)

Activity		Less Than 5,000	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999	100,000 to 499,999	500,000 and over
Football (Canadian)	c	1.3	2.3	1.4	-	1.4	1.8	1.6
	p	13.9	21.4	15.0	-	13.7	16.4	13.2
Recreational Driving	c	20.2	22.2	29.9	23.9	21.0	16.4	13.1
	p	29.3	34.8	42.4	34.9	29.6	24.7	23.4
Hunting	c	2.8	2.6	1.5	1.7	0.8	0.5	0.3
	p	15.2	14.0	10.6	12.0	6.7	6.8	6.6
Gymnastics	c	1.9	-	-	-	4.2	2.4	3.4
	p	44.1	-	-	-	68.6	64.3	67.4
Organized Nature Appreciation	c	1.7	1.5	2.4	1.5	3.6	1.9	2.0
	p	3.8	3.7	4.7	3.1	6.2	3.6	4.2
Picnicking	c	3.9	5.1	5.4	4.8	4.1	3.1	3.8
	p	6.5	9.0	8.5	8.3	6.6	5.2	6.1
Ice Skating	c	4.4	4.5	3.9	3.5	3.8	3.4	4.1
	p	12.8	13.5	11.5	10.2	11.1	10.1	14.2
Downhill Skiing	c	-	0.5	0.5	-	0.9	1.0	0.7
	p	-	8.0	6.1	-	10.0	10.0	8.2
Soccer	c	1.2	-	1.9	-	1.4	1.2	1.3
	p	13.3	-	19.1	-	15.6	16.9	14.1

- No estimate for number of occasions is given where the reliability is low

TABLE AII-8 (continued)

<u>Activity</u>		<u>Less Than 5,000</u>	<u>5,000 to 9,999</u>	<u>10,000 to 24,999</u>	<u>25,000 to 49,999</u>	<u>50,000 to 99,999</u>	<u>100,000 to 499,999</u>	<u>500,000 and over</u>
Attending a Sporting Event as a Spectator	c	12.4	10.8	11.4	10.3	9.8	8.5	6.1
	p	22.6	20.9	19.7	17.8	16.7	16.6	13.1
Attending a Live Theatre or Concert Performance	c	1.5	1.3	1.9	1.8	2.3	2.8	3.4
	p	4.5	3.7	4.8	4.5	5.2	6.1	7.0
Tobogganing or Sledding	c	1.6	1.1	2.4	2.4	1.4	1.4	1.2
	p	6.8	5.9	8.4	10.5	5.7	6.1	6.5
Track and Field	c	0.8	-	-	-	0.9	1.2	0.7
	p	22.6	-	-	-	18.2	28.2	26.1
Personal Nature Appreciation	c	3.5	1.8	4.2	1.8	2.5	2.6	2.5
	p	14.8	8.9	16.3	7.7	9.8	10.8	13.4
Volleyball	c	2.2	-	2.2	-	1.9	1.7	1.7
	p	22.3	-	17.7	-	16.1	17.1	17.8
Recreational Walking	c	32.5	27.5	46.3	38.6	47.1	37.9	38.7
	p	65.5	59.8	82.9	62.8	85.1	69.2	63.6
Water-skiing	c	0.6	0.7	1.3	0.5	1.1	0.7	1.6
	p	5.4	6.2	10.7	5.2	8.3	7.6	15.0

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- No estimate for number of occasions is given where the reliability is low

TABLE AIII-1\*

PROFILES OF PARTICIPANTS (12 YEARS AND OLDER) IN NORTHERN AND SOUTHERN ONTARIO: AVERAGE AGE, HOUSEHOLD INCOME AND EDUCATION

Activity		Southern Ontario		Northern Ontario	
		Male	Female	Male	Female
Attending an Annually Scheduled Fair, Exhibition, Sportsman Show, Festival	A	34	34	32	32
	I	14	13	14	13
	R	11	11	11	11
	H	12	12	11	11
Badminton	A	25	23	22	21
	I	15	14	14	13
	R	12	12	11	11
	H	12	12	11	11
Baseball or Softball	A	23	19	23	20
	I	14	13	14	13
	R	11	10	11	10
	H	11	11	11	10
Basketball	A	19	17	19	17
	I	15	14	14	12
	R	11	10	11	10
	H	12	11	11	10
Recreational Trail-biking	A	20	20	23	
	I	14	15	14	
	R	10	11	10	
	H	11	12	10	

Note:

- A: Average age (in years)  
 I: Average household income (in 000's)  
 R: Average number of years of education of resident  
 H: Average number of years of education of head of household
- Average household income is calculated by using the mean of each income category and setting the lowest and highest categories as (a) less than \$3,000 equals \$2,000 and (b) \$25,000 and above equals \$30,000.

\* Corresponds to Table III-1 in Chapter III

TABLE AIII-1 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Other Boating (Rowboating, Kayaking, etc.)	A	28	28	28	26
	I	16	14	14	13
	R	11	11	11	11
	H	12	12	11	11
Canoeing	A	27	27	31	25
	I	16	15	14	15
	R	12	12	11	11
	H	13	13	11	11
Visiting a Private Cottage, Chalet, Hobby Farm	A	35	36	35	34
	I	15	14	14	13
	R	12	12	11	11
	H	12	12	11	11
Curling	A	36	35	30	32
	I	16	15	15	13
	R	13	12	12	11
	H	13	13	12	12
Football (Canadian)	A	19	18		18
	I	15	13		14
	R	11	10		11
	H	12	11		11
Recreational Driving	A	36	38	36	35
	I	14	13	13	12
	R	11	11	11	11
	H	11	12	11	10
Handball	A	22	22		21
	I	16	13		13
	R	10	10		11
	H	11	11		10

TABLE AIII-1 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Big Game Hunting	A		37		36
	I		14		12
	R		11		11
	H		11		10
Small Game Hunting	A	30	27	33	31
	I	14	14	13	14
	R	11	11	11	11
	H	11	12	11	10
Waterfowl Hunting	A		32		31
	I		14		14
	R		11		11
	H		11		11
Gymnastics	A	24	22		22
	I	15	14		13
	R	11	11		11
	H	11	12		11
Recreational Motorcycling	A	22	22		22
	I	15	12		14
	R	11	12		11
	H	11	12		11
Visiting Nature Dis- plays or Exhibits	A	34	34	34	34
	I	15	13	13	13
	R	12	12	11	11
	H	12	12	11	11
Going on a Guided Nature Tour	A	27	29	29	28
	I	13	13	14	13
	R	11	11	11	11
	H	11	12	12	11

TABLE AIII-1 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Picnicking	A	35	35	34	33
	I	14	13	13	12
	R	11	11	11	11
	H	11	11	11	11
Sailing	A	31	28		35
	I	19	17		16
	R	13	13		12
	H	14	14		12
Roller Skating	A	20	19		18
	I	15	14		13
	R	11	11		11
	H	11	11		10
Ice Skating	A	26	25	24	24
	I	15	14	14	14
	R	11	11	11	11
	H	12	12	11	11
Downhill Skiing	A	25	25	29	26
	I	18	16	19	15
	R	13	12	13	11
	H	14	14	13	12
Skin or Scuba Diving	A	24	22		24
	I	17	17		16
	R	13	12		12
	H	14	14		12
Snowshoeing	A	27	28	30	27
	I	15	15	13	15
	R	12	12	11	11
	H	12	13	11	11

TABLE AIII-1 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Soccer	A	21	17		19
	I	14	13		13
	R	10	10		10
	H	12	11		10
Attending a Sporting Event as a Spectator	A	32	32	31	30
	I	15	14	14	12
	R	11	11	11	11
	H	12	12	11	11
Strength Sports	A		23		20
	I		15		13
	R		12		11
	H		12		10
Attending a Live Theatre or Concert Performance	A	32	35	30	32
	I	16	14	14	13
	R	12	12	11	11
	H	12	12	11	11
Tobogganing or Sledding	A	24	24	23	24
	I	15	14	15	13
	R	11	11	11	11
	H	12	12	11	11
Track and Field	A	17	16		19
	I	16	14		12
	R	10	9		11
	H	13	11		11
Viewing or Photographing Birds, Animals or Fish in Their Natural Surroundings	A	35	33	33	32
	I	14	14	14	14
	R	12	12	12	11
	H	12	12	12	11

TABLE AIII-1 (continued)

<u>Activity</u>		<u>Southern Ontario</u>		<u>Northern Ontario</u>	
		<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Viewing, Photo- graphing or Collecting Plants in Their Natural Surroundings	A	36	25	31	32
	I	15	13	13	12
	R	12	12	11	11
	H	12	12	12	11
Viewing, Photo- graphing or Collecting Rocks in Their Natural Surroundings	A	33	33	34	30
	I	15	13	12	13
	R	12	12	11	11
	H	12	12	11	11
Volleyball	A	21	19	21	19
	I	15	14	15	12
	R	11	10	11	10
	H	12	11	12	11
Recreational Walking	A	36	36	35	33
	I	14	13	13	12
	R	11	11	10	11
	H	12	11	11	11
Water-skiing	A	25	24	32	23
	I	17	15	15	16
	R	12	12	12	11
	H	12	12	12	11
Visiting a Zoo or Botanical Garden	A	35	36	36	34
	I	14	13	13	13
	R	12	12	11	11
	H	12	12	11	11

## APPENDIX B

### DEFINITIONS USED IN ONTARIO RECREATION SURVEY

#### 1. RECREATIONAL ACTIVITIES

Participation in any of the following recreational activities done primarily for remuneration is excluded. Participation by students as part of a formal curriculum is also excluded.

##### SWIMMING

Participation in the act of swimming and/or wading. The water must be entered before this activity can occur.

##### RECREATIONAL BOATING\*

The act of travelling over water by boat for recreational purposes other than fishing or water skiing. Sub-activities include:

- a. Motor boating
- b. Canoeing
- c. Sailing
- d. Other boating (including kayaking and rowboating).

##### FISHING

The act of pursuing any legal game fish (on a non-commercial basis) with the anticipation of catching it.

##### WATER-SKIING

The act of being towed or towing a water-skier with the anticipation of being towed over a water surface by means of a power vehicle.

##### PICNICKING

The act of having a planned outdoor meal away from one's residence (temporary or permanent). Picnicking only occurs when a major purpose of the outing is to eat. It does not include eating while at a campsite. Neither does it include the case where a person

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\* Recreational purposes are not associated with work, school or shopping. Shopping includes both shopping for goods and services.

while fishing, etc., eats out of doors unless that eating was the major purpose for the outing.

The act of pursuing any legal game bird or animal with the anticipation of bagging it. Hunting includes:

- a. Big game hunting - the hunting of moose, deer, black bear
- b. Small game hunting - the hunting of rabbit, hare, ptarmigan, pheasant, grouse, bobwhite, woodcock, raccoon, squirrel, ground hog, fox, crow
- c. Water fowl hunting - the hunting of ducks, geese, coots, rails, and gallinules.

SNOWSHOEING AND  
CROSS-COUNTRY  
SKIING

The act of travelling for recreational purposes across a snow and/or ice covered surface by means of:

- a. Snowshoes
- b. Cross-country skis.

DOWNHILL SKIING

The act of sliding down a snow or ice covered slope by means of "downhill skis".

RECREATIONAL  
DRIVING\*

The act of travelling by motor vehicle (car or truck) in which the major purpose is to view natural (non-urban) landscape from a motor vehicle and not to get to or from school, work, or shopping.

RECREATIONAL  
CYCLING\*

The act of travelling for recreational purposes on a:

- a. Bicycle
- b. Motorcycle
- c. Trail-bike

RECREATIONAL  
SNOWMOBILING\*

The act of travelling for recreational purposes on a snowmobile.

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\* Recreational purposes are not associated with work, school or shopping. Shopping includes both shopping for goods and services.

HIKING

The recreational act of travelling on foot for a considerable distance usually through uneven countryside. Considerable physical exercise is associated with this activity.

RECREATIONAL  
WALKING\*

The act of walking for recreational purposes other than hiking. Recreational walking as opposed to hiking is less strenuous and occurs on even surfaces or terrain.

ORGANIZED NATURE  
APPRECIATION

The act of:

- a. Visiting a zoo or botanical garden
- b. Visiting other nature displays or exhibits in parks (other than zoo or botanical garden)
- c. Going on a guided nature tour.

PERSONAL NATURE  
APPRECIATION

The act of:

- a. Viewing or photographing species of birds, animals, insects or fish in their natural surroundings that is not done on guided tours
- b. Viewing, photographing, sketching, painting or collecting species of plants in their natural surroundings that is not done on guided tours
- c. Viewing, photographing, sketching, painting or collecting types of rocks in their natural surroundings that is not done on guided tours (rock collecting and caving is included here).

VISITING A DEVELOPED  
HISTORIC SITE OR DISPLAY

The act of attending an area containing original buildings, restorations or monuments of historical significance.

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\* Recreational purposes are not associated with work, school or shopping. Shopping includes both shopping for goods and services

VISITING A MUSEUM  
OR ART GALLERY

The act of visiting a building to observe artifacts (costumes, uniforms, historical books), natural historical displays of man and his culture both past and present, paintings, or sculptures. This may or may not include guided tours of the displays.

ATTENDING A SPORTING  
EVENT AS A SPECTATOR

The act of watching others participating in a sport requiring a recognized playing facility (an area designated and designed for playing a particular sporting event).

ATTENDING A LIVE  
THEATRE OR CONCERT  
PERFORMANCE

The act of visiting a designated place to see and/or hear live actors and/or musicians perform.

ATTENDING AN ANNUALLY  
SCHEDULED FAIR, EXHIBI-  
TION, SPORTSMAN SHOW,  
FESTIVAL

The type of event must be specified.

VISITING A PRIVATE  
COTTAGE, CHALET,  
HOBBY FARM

CAMPING

Sleeping overnight away from home in either a tent, tent trailer, travel trailer, pickup camper (camper back) or van.

#### Other Recreational Activities

GOLFING  
(does not include driving  
ranges or miniature golf)

TENNIS

HORSEBACK RIDING

SKIN OR SCUBA DIVING

ICE SKATING

TOBOGGANING OR SLEDDING

CURLING

ICE HOCKEY

BASEBALL OR SOFTBALL

FOOTBALL (CANADIAN)

SOCCER

BASKETBALL

RUGGER

CRICKET

LACROSSE

VOLLEYBALL

WATER POLO

EQUESTRIAN SPORTS

FIELD HOCKEY

BADMINTON	SQUASH
BOCCE	HANDBALL
ALLEY BOWLING	LAWN BOWLING
TRACK AND FIELD	GYMNASTICS
FENCING	ROLLER SKATING
MOUNTAIN CLIMBING	SPORTS CAR RACING
CAR RALLYING	STOCK CAR OR DRAG RACING
RECREATIONAL FLYING OR SKY DIVING	ARCHERY
TRAP OR SKEET SHOOTING	BOXING OR WRESTLING
JUDO OR KARATE	STRENGTH SPORTS e.g., WEIGHT LIFTING

## 2. OCCUPATION CATEGORIES\*

- a) Managerial, Administrative and Related Occupations (1111 to 1179).
- b) Technological, Social and Cultural Occupations (alternatively titled 'Professional and Technical Occupations' including natural and social sciences, engineering, mathematics, religion, teaching, medicine, health, artistic, literary and recreational occupations (2111 to 3379).
- c) Clerical and Related Occupations (4110 to 4199).
- d) Sales Occupations (5130 to 5199).
- e) Service Occupations (6110 to 6199).
- f) Farming, Horticultural and Animal Husbandry Occupations (7112 to 7199).
- g) Other Primary Occupations including fishing, hunting, trapping, forestry and logging, mining and quarrying including oil and gas field operations (7311 to 7719).
- h) Processing Occupations (8110 to 8299).
- i) Machining, Product Fabricating, Assembling and Repairing, and Construction Trades Occupations (8310 to 8799).

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\*Source: Occupational Classification Manual, Census of Canada, 1971, Volume 1.

- j) Other Occupations (Transport Equipment Operating, Materials Handling, Other Crafts and Occupations not classified elsewhere) (9110 to 9926).
- k) Occupations not stated (0000).

### 3. COMMUNITY SIZE

- a) 500,000 and over: Metro Toronto.
- b) 100,000 to 499,999: St. Catharines, Ottawa, Windsor, London, Mississauga, Kitchener-Waterloo, Hamilton, Thunder Bay.
- c) 50,000 to 99,999: Niagara Falls, North Bay, Brantford, Kingston, Burlington, Oakville, Sarnia, Oshawa, Peterborough, Cambridge, Guelph, Sault Ste. Marie, Sudbury.
- d) 25,000 to 49,999: Markham, Richmond Hill, St. Thomas, Belleville, Chatham, Woodstock, Barrie, Cornwall, Timmins, Port Colborne, Welland.
- e) 10,000 to 24,999: Fort Erie, Grimsby, Thorold, Lincoln, Niagara-on-the-Lake, Pelham, Vanier, Newmarket, Vaughan, Aurora, Whitchurch-Stouffville, Leamington, Owen Sound, Georgetown, Trenton, Wallaceburg, Brockville, Simcoe, Cobourg, Whitby, Ajax, Stratford, Pembroke, Orillia, Midland, Lindsay, Dundas, Kapuskasing, Kenora, Kirkland Lake.
- f) 5,000 to 9,999: Huntsville, Bracebridge, Gravenhurst, Paris, Orangeville, Tecumseh, Amherstburg, Hanover, Dunnville, Milton, Acton, Goderich, Smiths Falls, Perth, Carleton Place, Gananoque, Prescott, Strathroy, Bowmanville, Port Hope, Ingersoll, Tillsonburg, Port Credit, Streetsville, Hawkesbury, Renfrew, Arnprior, Deep River, Collingwood, Penetanguishene, Sturgeon Falls, Fergus, Stoney Creek, Iroquois Falls, Dryden, Parry Sound, Fort Frances, Copper Cliff, New Liskeard, Haileybury.
- g) All other known locations.

### 4. MISCELLANEOUS

OCCASIONS: An occasion is the basic unit of participation and is defined as one person participating in one activity for a period of time greater than 15 minutes during one day. A person cannot have more than one occasion of participation in a specific activity during a day. The number of different days on which a person participates in an activity equals the occasions of participation in that activity. Because a person can participate in more than one activity during a day, a person can have more than one occasion of participation during a specified day.

## APPENDIX C

### METHOD USED TO CALCULATE AMOUNT OF PARTICIPATION PER MONTH

Respondents to the ORS questionnaire were asked how many days they spent in the past three months doing each recreational activity being studied. The method for estimating the number of occasions of participation over 12 months from the three month responses is outlined in the TOURISM AND RECREATIONAL BEHAVIOUR OF ONTARIO RESIDENTS - VOLUME 8: USER'S GUIDE TO ANALYSIS (Chapter III: Sample Design and Estimation Procedures). The following discussion shows how to determine the number of occasions of participation occurring each month. The method outlined may not be the "best" or only solution possible, but is a good approximation.

The method for estimating the occasions of participation occurring each month is developed by considering the number of potential occasions for the past year recalled by respondents in each month of interviewing. Each month of interviewing may be considered as a definable unit since an equal number of respondents were randomly chosen each month.

Each respondent in a given month recalled the number of occasions he did an activity in the previous three months. Thus, the group of respondents in a given month recalled occasions done over a four-month period: the given month and the three previous months. However, each month in a given four-month period is not recalled by an equal number of respondents. In fact, respondents in a given month recalled (a) all the occasions that they had in the previous 2 months, and (b) on average one-half of the occasions they had in the month they were interviewed in and one-half of the occasions they

had in the third previous month.

The reason that approximately one-half of the occasions in each of the months of the actual interview and the third previous month are recalled is due to the fact that interviews were carried out throughout each day of the month. Figure C-1 represents the percentage of respondents interviewed in a given month (e.g., month  $i$ ) who (theoretically) recall each day in a 4-month period.

The sloping lines in Figure C-1 are present in months  $i-3$  and  $i$  since respondents in month  $i$  were (theoretically) interviewed at a constant rate. Hence, respondents interviewed through time in month  $i$  gradually recalled more days of month  $i$  and fewer days of month  $i-3$ . From the relationship of triangle  $[a\ c\ d]$  to rectangle  $[a\ c\ d\ b]$ , the percentage of days recalled in month  $i$  can be inferred. Since triangle  $[a\ c\ d]$  is one-half the area of  $[a\ c\ d\ b]$ , approximately 50 per cent of the days in month  $i$  are recalled on average by the group of respondents interviewed in month  $i$ . Further, the recall of half of the days (i.e., time span) in month  $i$  by respondents implies the recall of one-half of the days in month  $i$  on which activity participation occurred.

A similar explanation may be derived for the number of days in month  $i-3$  recalled by respondents in month  $i$ . After the number of occasions of participation in each activity recalled by each month's respondents are allocated to four months, the occasions spent in each month of the year can be estimated by summing the appropriate numbers. Estimates of the percentage of annual participation occurring each month can also be determined.

Example of Method

The steps involved are:

1. For each month of interviewing, sum up the respondents' estimate of the number of occasions of participation in the past three months.

Thus, for swimming we have:

<u>Month</u>	<u>Three month estimate of Occasions of Participation (000's)</u>
January	584
February	388
March	732
April	791
May	576
June	1,284
July	3,807
August	5,374
September	7,385
October	7,037
November	3,210
December	715

2. Allocate the occasions of a given month in the ratio  $\frac{1}{2}:1:1:\frac{1}{2}$  to that month, the first last, second last, and third last months respectively.
3. Sum the occasions allocated to each month.
4. Calculate the percentage of the total annual occasions (of an activity) occurring in each month. This standarization helps in comparing activities. The results of steps 2, 3 and 4 for swimming occasions are given in Table C-1.

TABLE C-1

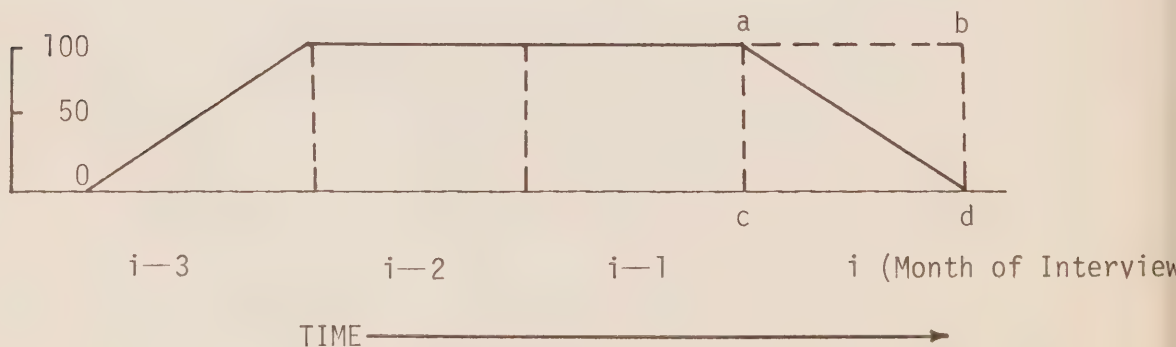
EXAMPLE OF CALCULATING THE PERCENTAGE OF PARTICIPATION  
OCCURRING IN EACH OF THE PAST 12 MONTHS

Month Data Gathered	Months to which occasions (in 000's) are allocated										
	J	F	M	A	M	J	J	A	S	O	N
J	197									97	195
F	129	65									65
M	244	244	122								
A	132	264	264	132							
M		96	192	192	96						
J			214	428	428	214					
J				634	1269	1269	634				
A					896	1791	1791	896			
S						1231	2462	2462	1231		
O							1173	2346	2346	1173	
N								535	1070	1070	535
D									119	238	238
	602	669	792	1386	2698	4505	6060	6239	4766	2578	1033
	1.9	2.1	2.4	4.3	7.4	14.1	19.0	19.6	14.9	8.1	3.2
	Per Cent Each Month										

FIGURE C-1

PERCENTAGE OF RESPONDENTS RECALLING EACH DAY OF THE MONTH

Percentage of  
Respondents  
Recalling  
Each Day









3 1761 11546951 2

